March 9, 2005

Mr. Gregg Kwey California Regional Water Quality Control Board Los Angeles Region 320 West 4th Street, Suite 200 Los Angeles, California 90013

Subject: SUBMITTAL OF PROPERTY OWNER INFORMATION FOR

EXXONMOBIL OIL CORPORATION FORMER SERVICE STATION #18-M1A

4770 EAST SEVENTH STREET, LONG BEACH, CALIFORNIA

(CRWQCB-LAR #908040070A)

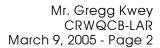
Dear Mr. Kwey:

Holguin, Fahan & Associates, Inc. (HFA), on behalf of ExxonMobil Oil Corporation (ExxonMobil), is pleased to submit the following information regarding ownership of the above-referenced property as required by California State Assembly Bill 681 and the California Regional Water Quality Control Board, Los Angeles Region (4) (CRWQCB-LAR) in its letter dated January 6, 2005.

The responsible party contact is Ms. Jenee Briggs, ExxonMobil Oil Corporation, 3700 West 190th Street, TPT2, Torrance, California, 90509-2929, (310) 212-2904. The consultant contact is Mr. James Anderson, Holguin, Fahan & Associates, Inc., 143 South Figueroa Street, Ventura, California, 93001, (805) 585-6371.

HFA has researched the landowner information for the property, and the results are summarized in Table 1 - Summary of Landowner Information. The information obtained includes the Los Angeles County Assessor's parcel number, the referenced street address, owner name, owner mailing address, and contact phone number, where available. The landowner deed was not on file with the County of Los Angeles Assessor's Office, but was obtained from ExxonMobil's real estate records (see Attachment 1 for the landowner deed).

Also, enclosed is a copy of HFA's soils report for tank excavation assessment dated March 17, 2004 (see Attachment 2).





Holguin, Fahan & Associates, Inc. trusts that this information meets your requirements. If you have any questions or require additional information, please contact Mr. James Anderson at (805) 585-6371 or James Anderson@hfa.com.

Respectfully submitted,

James Anderson, REA

Associate Engineer Holguin, Fahan & Associates, Inc. Mark R. Fahan, RG, REA

Vice President

Holguin, Fahan & Associates, Inc.

JDA:mrf:bc:mgh:nd

Enclosures: Table 1 - Summary of Landowner Information

Attachment 1 - Landowner Deed

Attachment 2 - HFA's Soil Report for Tank Excavation Assessment dated

March 17, 2004

cc: Ms. Jenee Briggs, ExxonMobil



TABLE 1. SUMMARY OF LANDOWNER INFORMATION EXXONMOBIL OIL CORPORATION FORMER SERVICE STATION #18-M1A, LONG BEACH, CALIFORNIA

PARCEL ID	STREET ADDRESS	OWNER ID	OWNER MAILING ADDRESS	OWNER TELEPHONE NUMBER
	4770 East Seventh Street, Long			
7241-018-032	Beach, California	Mobil Oil Corporation	Post Office Box 4973, Houston, Texas, 77210	None Listed



ATTACHMENT 1.

LANDOWNER DEED

the following described real property in the city of Long Beach County of Los Angeles , State of California: The east 15 feet of lot 6 and all of lots 7, 8, 9, 10 and 11 of Block B of "Belmont", in the city of Long Beach, county of Los Angeles, state of California, as per map recorded in book 11 page 84 of Maps, in the office of the county recorder of said county. SUBJECT: 1. General and special county and city taxes for the fiscal year 1966-1967, a lien not yet payable. 2. Covenants, conditions, restrictions and easements of record. DOCUMENTARY OF BOOK AND THE SECOND STATES OF THE SECOND STATES OF THE SECOND SE this 712 **(^)** DD METER June 2, 1966 STATE OF CALIFORNIA SS. COUNTY OF Los Angeles Xune 14, 1966 before me, the undersigned, a cotary Public in and for said State, personally appeared Katherine Millerd ABSTRACTED 8/19/146 whose name 18 subscribed to the within <u>she</u> instrument and acknowledged that..... WITNESS my hand and official scal. HERMINE A. BURG Notery Public Signature Hermine a Dur LOS ANGELES COUNTY, CALIFORNIA HERMINE A. BURG My Commission Expires Oct 31, Name (Typed or Printed) (This aren for official notatial sent)

Escrow of ** 25 Per No. __ 6261118 W.TV

Title Order No. 4573 999

2002



ATTACHMENT 2.

HFA'S SOIL REPORT FOR TANK EXCAVATION ASSESSMENT DATE MARCH 17, 2004



SOILS REPORT FOR TANK EXCAVATION ASSESSMENT

EXXONMOBIL OIL CORPORATION FORMER SERVICE STATION #18-M1A 4770 EAST 7TH STREET LONG BEACH, CALIFORNIA

MARCH 17, 2004

Client: ExxonMobil Oil Corporation

3700 West 190th Street, TPT2 Torrance, California 90504

Contact: Mr. Nick Puig

(310) 212-1879

Consultant: Holguin, Fahan & Associates, Inc.

143 South Figueroa Street Ventura, California 93001

Project Manager: James Anderson, REA

(805) 585-6371

James_Anderson@hfa.com

James Anderson, REA Associate Engineer

Holguin, Fahan & Associates, Inc.

Mark R. Fahan, RG, REA

Vice President

Holguin, Fahan & Associates, Inc.

ENVIRONMENTAL: SCIENTISTS • GEOLOGISTS • ENGINEERS Contaminated Site Assessment • Site Remediation • Mobile Remediation • CPT Service • Groundwater Monitoring

ERED GEOLOGIC

MARK R. FAHAN

NUMBER 4279

Exp 7/04

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LIST OF ACRONYMS

AB2886 California State Assembly Bill 2886

BTEX benzene, toluene, ethylbenzene, and total xylenes

DIPE diisopropyl ether

EPA Environmental Protection Agency

ETBE ethyl tertiary butyl ether fbg feet below grade ID identification

J estimated value below reporting limit and greater than method detection

limit

LBFD City of Long Beach Fire Department

mg/kg milligrams per kilogram
MTBE methyl tertiary butyl ether

N/A not applicable

PID photoionization detector ppmv parts per million by volume

REF reference

SCAQMD South Coast Air Quality Management District

SOP standard operating procedures

TAME tertiary amyl methyl ether TBA tertiary butyl alcohol

TPH total petroleum hydrocarbons

TRPH total recoverable petroleum hydrocarbons

URR unauthorized release report
USCS Unified Soil Classification System
UST underground storage tank
VOC volatile organic compound

 μ g/I micrograms per liter



INTRODUCTION

Holguin, Fahan & Associates, Inc. (HFA) was contracted by ExxonMobil Oil Corporation (ExxonMobil) to conduct fueling system removal activities at ExxonMobil Service Station[#18-M1A, located at 4770 East 7th Street, Long Beach, California. This report documents the air monitoring, soil sampling, fueling system removal, secondary excavation of hydrocarbon-containing soil, and waste management activities associated with the abandonment of the service station.



SITE DESCRIPTION

ExxonMobil Former Service Station #18-M1A is located at 4770 East 7th Street, on the southwestern corner of the intersection of Park Avenue and East 7th Street, in Long Beach, California (see Figure 1 - Site Location Map). The surrounding areas consist of residential and light commercial properties, and a high school is located across the street to the north (see Figure [2]] Site Vicinity Map). The site is a former Mobil brand service station that includes an abandoned service station building, dispenser islands, and canopies (see Figure 3 - Plot Plan).

The ExxonMobil remediation contact is Mr. Nick Puig, ExxonMobil Oil Corporation, 3700[West[] 90th[\$treet, TPT2, Torrance, California, 90509-2929, (310) 212-1879. The general contractor contact is Mr. Horacio Santos, MOMPOS Construction Co., Inc., 23905[Clinton[Keith[Road, Suite #114-247, Wildomar, California, 92595, (909) 698-1358. The Consultant contact is Mr. James Anderson, Holguin, Fahan & Associates, Inc., 143[\$outh[Figueroa Street, Ventura, California, 93001, (805) 585-6371. The regulatory agency for the UST removal is the City of Long Beach Fire Department, Bureau of Fire Prevention, 925 Harbor Plaza, Suite 100, Long Beach, California, 90802, (562) 570-2560.



UNDERGROUND FUELING FACILITY REMOVAL ACTIVITIES

AIR MONITORING

Strata-Analysts Group, Inc. conducted air monitoring in accordance with MOMPOS Construction Co., Inc. (MOMPOS) SCAQMD Rule 1166 permit (ID #97680). Air monitoring was conducted on January 20 through 23, 2004, during the uncovering of the USTs and associated product and vent piping. Readings ranged from 0 to 4,700 ppmv throughout the excavation process (see[Appendix 1 for the notification form and monitoring logs).

UNDERGROUND STORAGE TANKS, PIPING, AND VENT LINE REMOVAL AND DISPOSAL

On January 16, 2004, the product piping was purged with nitrogen in conjunction with the removal of the dispensers. Before the concrete surface was broken, the gasoline USTs were degassed and triple-rinsed in accordance with SCAQMD Rule 1149, by Nieto and Sons Trucking, Inc. (Nieto). The rinsate was transported as hazardous waste by Nieto to Crosby and Overton's facility in Long Beach, California, for recycling (see Appendix 2 for the rinsate manifest).

On January 23, 2004, the gasoline and used-oil USTs were degassed and triple-rinsed in accordance with SCAQMD Rule 1149, by Nieto and certified as nonhazardous by Mr. homas Beck, Marine Chemist (see Appendix 2 for the certification report). The rinsate was transported as hazardous waste by Nieto to Crosby and Overton's facility in Long Beach, California, for recycling (see Appendix 2).

On January 23, 2004, after receiving approval from the LBFD inspector, MOMPOS used a crane to remove one 12,000-gallon gasoline UST; two 10,000-gallon gasoline USTs; and one 1,000-gallon used-oil UST in accordance with LBFD permit #394672 (see Appendix 3 for the UST closure permit, and Appendix 4 for the site photographs). MOMPOS also removed two hydraulic lifts and a concrete clarifier from the service station building in accordance with a City of Long Beach plumbing permit (see Appendix 3). The USTs and hydraulic lifts were subsequently transported as nonhazardous to Ecology Auto Parts for destruction (see Appendix 2 for the certificate of destruction). The product and vent piping and the clarifier were transported offsite as construction waste.



STOCKPILES

An estimated 265 cubic yards of pea gravel was generated during the excavation of the UST cavity, and product and vent piping trenches, and placed into stockpiles SP-1, SP-2, and SP-4 (see Figure 2). No native soil was excavated during the uncovering of the underground fueling system.

An estimated 8 cubic yards of soil was generated during the removal of the hydraulic lifts and placed into stockpile SP-3 (see Figure 2).

During the excavation of the UST cavities and trenches, pea gravel that did not indicate PID readings during the air monitoring was placed into stockpiles SP-1 and SP-2. One sample was collected from each of the stockpiles (SP-1, SP-2, and SP-3). The samples were submitted to Calscience Environmental Laboratories, Inc. (Calscience), a California State certified testing facility, where SP-1 and SP-2 were analyzed for TPH as gasoline using DHS LUFT, and for BTEX and MTBE using EPA Method 8260B, and stockpile sample SP-3 was analyzed for TRPH using EPA Method 418.1 (M) and for BTEX and MTBE using EPA Method 8260B. Laboratory analytical results for stockpile samples SP-1 and SP-2 indicated no detection of hydrocarbons. Laboratory analytical results for stockpile sample SP-3 indicated a TRPH concentration of 28 mg/kg and no detection of benzene (see Table 1 - Summary of Soil Sample Analytical Results, and Appendix 5 for the laboratory reports).

Soil that indicated PID readings during the excavation process was segregated into stockpile SP-4. The material from stockpile SP-4 was transported off-site with the soil from the secondary excavation for recycling at TPS Technologies facility in Adelanto, California (see Appendix 6 for the waste manifests).

SOIL SAMPLING AND RESULTS

On January 23, 2004, soil samples were collected from beneath the former dispensers and product piping using a hand auger. On January 23, 2004, soil samples were collected from beneath the former USTs, hydraulic lifts, and clarifier using an excavator bucket. The soil samples were collected from 2 feet below the first occurrence of native soil beneath the former facilities in accordance with LBFD procedures, as directed by the LBFD inspector (see Figure Hydrocarbon Concentrations for Compliance Soil Samples). The soil samples were collected using Encore samplers in accordance with EPA Method 5035. The soil samples were screened in the field using a PID and classified according to the USCS (see Appendix 7 for the UST data form).



Six soil samples (T2-E-12, T2-W-12, T3-E-12, T3-W-12, T4-W-12 and T4-E-12) were collected from beneath the former gasoline USTs at 14 fbg. One soil sample (T1-8) was collected from beneath the former used-oil UST at 8 fbg. Four soil samples (D1-5, D2-5, D3-5 and D4-4) were collected from beneath the former gasoline dispensers at 4 to 5 fbg and one soil sample (PL-1-3) was collected from beneath the former product piping at 3 fbg. Two soil samples (HL-1-7 and HL-2-7) were collected from beneath the former hydraulic lifts at 7 fbg. One soil sample (CL-1-5) was collected from beneath the former clarifier at 5 fbg (see Figure 4).

The soil samples were submitted to Calscience (see Appendix 8 for the sample handling procedures). The soil samples collected from beneath the former gasoline USTs, dispensers, and product piping were analyzed for TPH as gasoline using DHS LUFT and for BTEX, MTBE, TBA, DIPE, ETBE, TAME, and ethanol using EPA Method 8260B. The soil samples collected from beneath the former used-oil UST, hydraulic lifts, and clarifier were analyzed for TRPH using EPA Method 418.1 (M) and for VOCs using EPA Method 8260B. The analytical data will be electronically reported to the GeoTracker information system in accordance with AB2886 requirements.

Laboratory analytical results for the soil samples collected from beneath the former gasoline USTs indicated TPH as gasoline, benzene, and MTBE concentrations up to 11,000; 16; and 3.1 mg/kg, respectively. Laboratory analytical results for the soil samples collected from beneath the former dispensers and product piping indicated TPH as gasoline, benzene, and MTBE concentrations up to 0.13J, 0.00053, and 0.091J mg/kg, respectively. Laboratory analytical results for the soil sample collected from beneath the former used-oil UST indicated no detections of TRPH and benzene (see Figure 4, Table 1, and Appendix 5).

Laboratory analytical results for the soil samples collected from beneath the two former hydraulic lifts and clarifier indicated TRPH concentrations up to 78 mg/kg. Benzene was not detected (see Figure 4, Table], and Appendix 5).

An environmental assessment was conducted at the site in November 2003, and a URR was filed with the LBFD on December 9, 2003. The results for compliance soil sampling conducted during the service station abandonment were consistent with the previous assessment; therefore, a new URR was not filed based upon the results of the UST and piping compliance samples.

BACKFILL ACTIVITIES

On January 30, 2004, the pea gravel from stockpiles SP-1 and SP-2 was placed back into the UST cavity to approximately 5 fbg and a geofabric was installed over the gravel. On February 2



Soils Report for Tank Excavation Assessment ExxonMobil Former Service Station #18-M1A March 17, 2004 - Page 6

through 4, 2004, imported clean fill and stockpile SP-3 were placed in the UST, product piping, clarifier, and hydraulic lift excavations in 12-inch lifts. Each lift was tested for compaction by Stickel & Associates, and compaction was certified at 95 percent or greater relative density from the bottom of the excavations to subgrade (see Appendix 9 for the certificate of clean fill, and Attachment 10 for the compaction report). The backfill operations were inspected and approved in accordance with a City of Long Beach permit (see Attachment 3).



SECONDARY EXCAVATION

On January 30, 2004, a secondary excavation was performed beneath the northeastern half of the former gasoline UST cavity in an effort to remove the hydrocarbon-containing soil in the vicinity of the compliance soil samples collected at 14 fbg from beneath the former gasoline USTs (see Figure 4). The secondary excavation was conducted to 16 fbg, where groundwater was encountered. Four verification soil samples were collected from the bottom of the excavation at 16 fbg, and two samples were collected from the southeastern sidewall of the UST cavity at 15 fbg (see Figure 5 - Hydrocarbon Concentrations for Excavation Verification Samples).

The verification soil samples were collected using Encore samplers in accordance with EPA Method 5035 and submitted to Calscience, where they were analyzed for TPH as gasoline using DHS LUFT and for BTEX, MTBE, TBA, DIPE, ETBE, TAME and ethanol using EPA Method 8260B.

Laboratory analytical results for the verification soil samples collected from the bottom of the secondary excavation indicated TPH as gasoline and MTBE concentrations up to 6.4 and 17 mg/kg, respectively. Benzene was not detected. Laboratory analytical results for the verification soil samples collected from the southern sidewall of the former UST cavity indicated concentrations of TPH as gasoline, benzene, and MTBE up to 4,200; 24; and 0.03J mg/kg, respectively (see Figure 5, Table 1, and Appendix 5).

On January 30, 2004, 126.04 tons (estimated 85 cubic yards) of hydrocarbon-containing soil generated from the secondary excavation and stockpile SP-4 was transported off-site for recycling at TPS Technologies, Inc.'s facility in Adelanto, California (see Appendix 6 for the waste manifest).



SUMMARY AND CONCLUSIONS

Laboratory analytical results for the soil samples collected from beneath the former gasoline USTs indicated TPH as gasoline, benzene, and MTBE concentrations up to 11,000; 16; and 3.1 mg/kg, respectively. Laboratory analytical results for the soil samples collected from beneath the former dispensers and product piping indicated TPH as gasoline, benzene, and MTBE concentrations up to 0.13J, 0.00053, and 0.091J mg/kg, respectively. Laboratory analytical results for the soil sample collected from beneath the former used-oil UST indicated no detections of TRPH and benzene.

Laboratory analytical results for the soil samples collected from beneath the two former hydraulic lifts and clarifier indicated TRPH concentrations up to 78 mg/kg. Benzene was not detected.

Groundwater was encountered at 16 fbg in the former UST cavity.

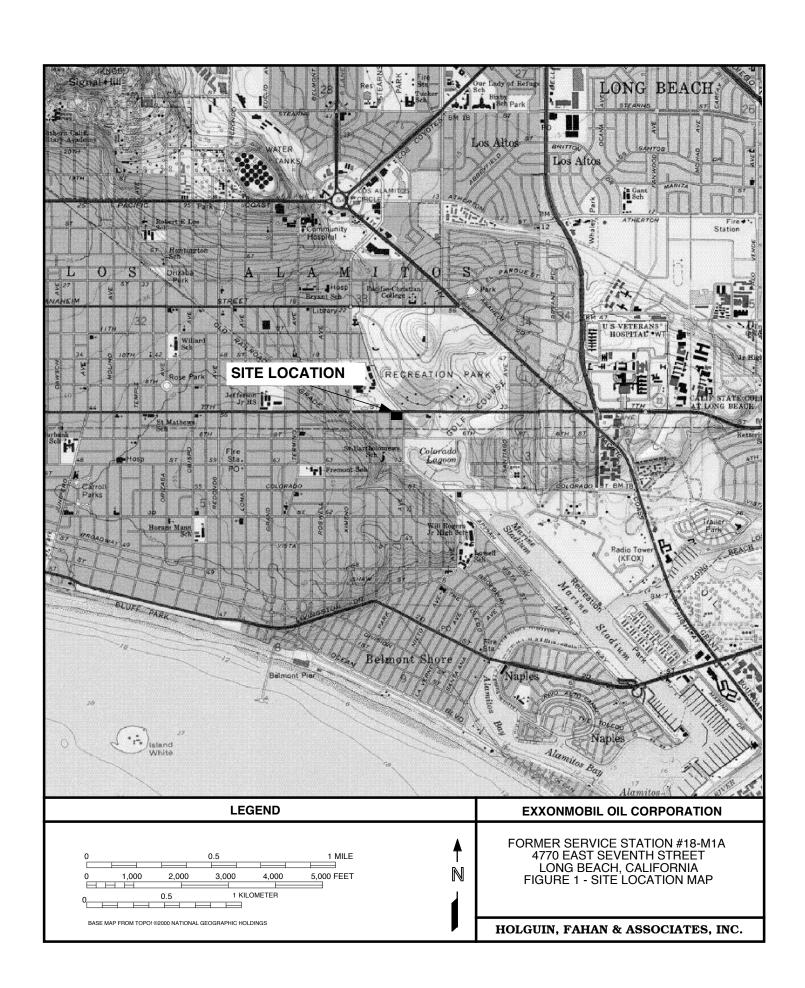
The pea gravel from the excavations was placed back into the UST cavity to 5 fbg. Imported clean fill was placed in the open excavations in 12-inch lifts from 5 fbg to subgrade, and compaction of the import fill was certified at 95 percent or greater relative density.

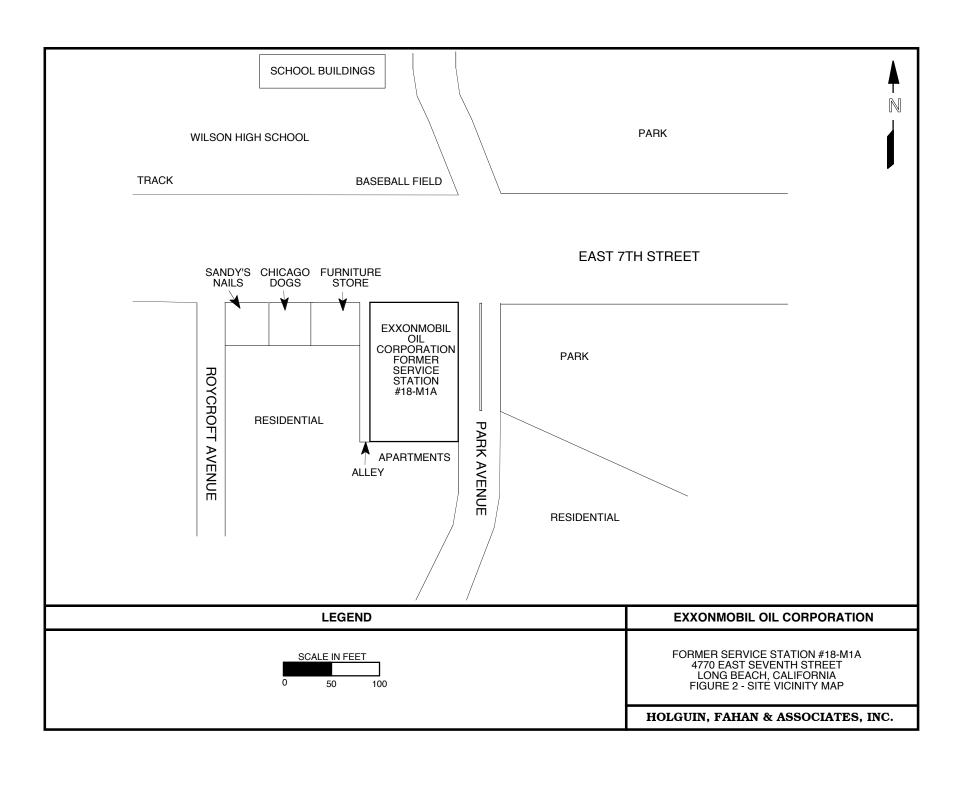
A secondary excavation was conducted beneath the northeastern half of the former gasoline UST cavity to a maximum of 16 fbg and removed a total of 126.04 tons (estimated 85 cubic yards). Results of the verification soil samples indicated that the secondary excavation was successful in removing the majority of the TPH as gasoline and BTEX from beneath the former gasoline USTs, but residual benzene remains southeast of the former USTs.

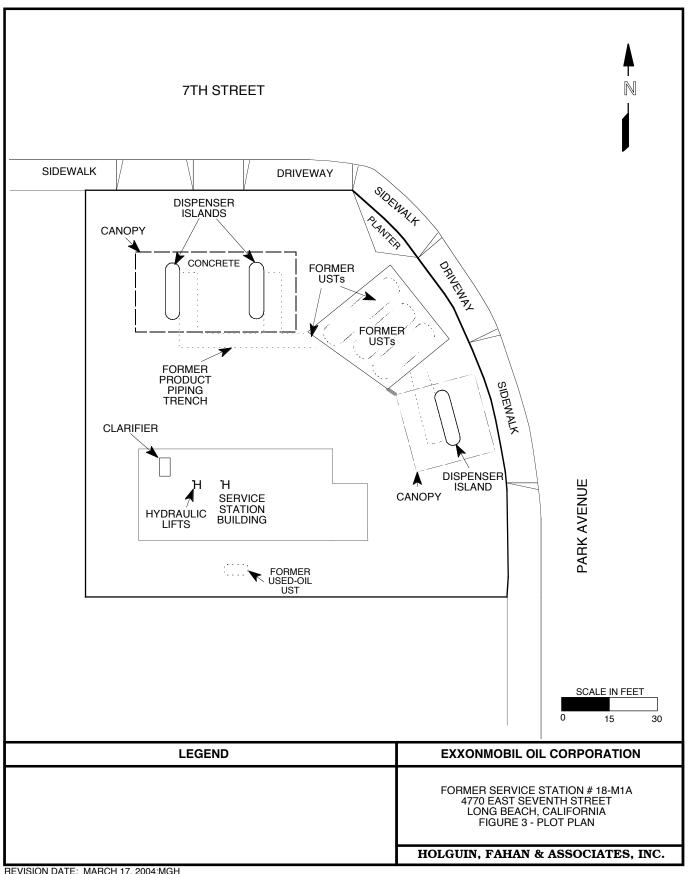
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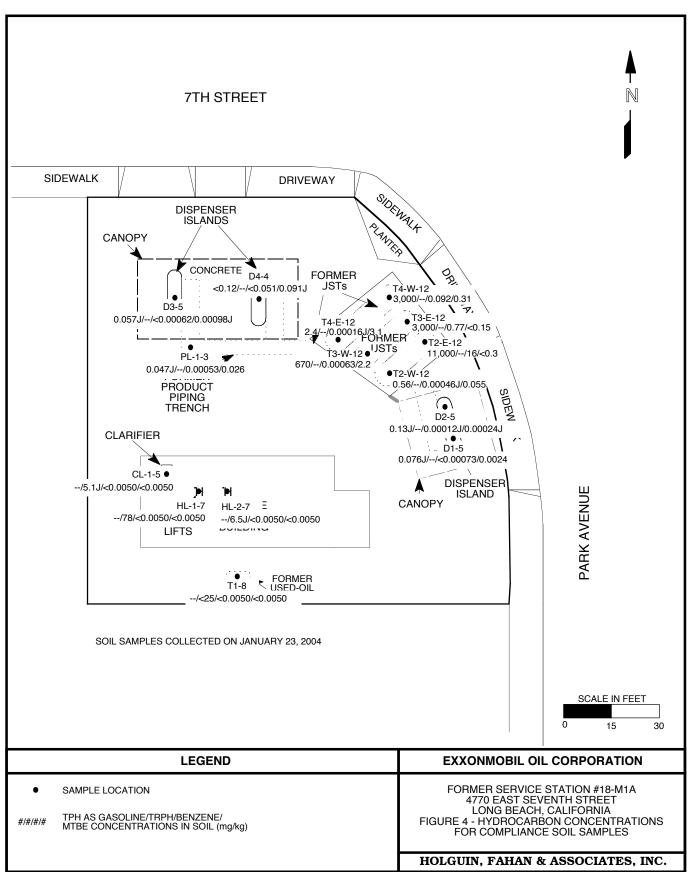


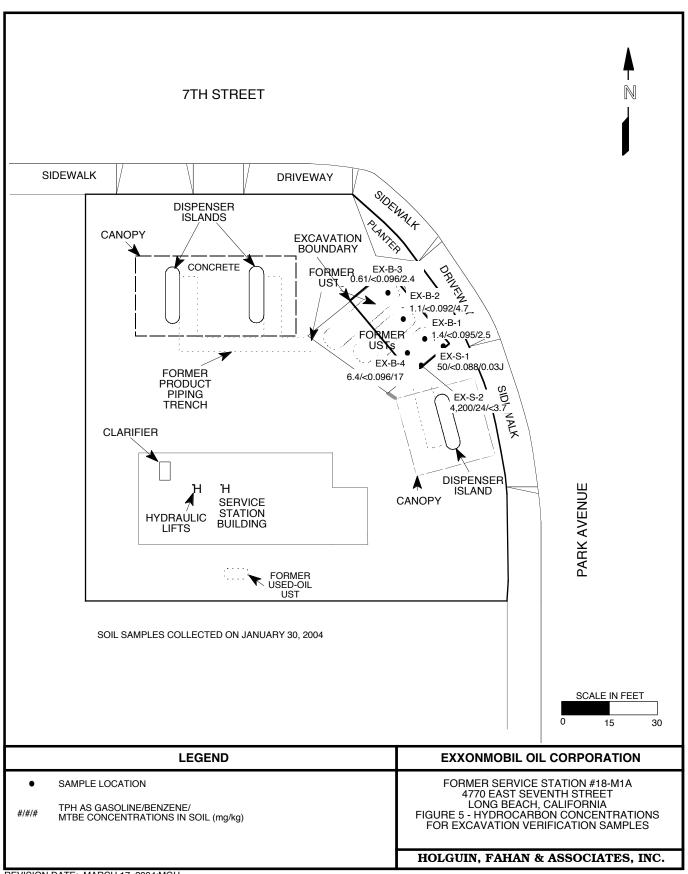
FIGURES













TABLES

TABLE 1.
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS FOR STATION ABANDONMENT
EXXONMOBIL OIL CORPORATION FORMER SERVICE STATION #18-M1A, LONG BEACH, CALIFORNIA

														ı		
SAMPLE SOURCE	DATE SAMPLED	DEPTH	SAMPLE ID	TPH AS GASOLINE	TRPH	BENZENE	TOLUENE	ETHYL- BENZENE	TOTAL XYLENES	MTBE	TBA	DIPE	ETBE	TAME	ETHANOL	REF
		(fbg)		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
EPA A	NALYTICAL	. METHO	D	DHS LUFT	418.1 (M)		, 0 0,	. 0 0,	, 0 0,	8260	В			, , ,		N/A
DISPENSER	1-23-04	5	D1-5	0.076J		<0.00073	0.00032J	<0.00073	0.00076J	0.0024	0.021	<0.00073	<0.00073	<0.00073	<0.37	Α
ISLANDS	1-23-04	5	D2-5	0.13J		0.00012J	0.00025J	<0.00068	<0.00068	0.00024J	0.013J	<0.00068	<0.00068	<0.00068	<0.34	Α
	1-23-04	5	D3-5	0.057J		<0.00062	0.00033J	<0.00062	0.00036J	0.00098J	0.011J	<0.00062	<0.00062	<0.00062	<0.31	Α
	1-23-04	4	D4-4	<0.12		<0.051	<0.051	<0.051	0.014J	0.091J	<1	<0.051	<0.051	<0.051	<25	Α
PRODUCT	1-23-04	3	PL-1-3	0.047J		0.00053	0.0010	<0.00047	0.00156J	0.026	0.064	<0.00047	<0.00047	<0.00047	<0.24	Α
PIPING																
GASOLINE	1-23-04	14	T2-E-12	11,000		16	410	230	2,030	<0.3	<3	<0.15	0.08J	0.058J	<76	Α
USTs	1-23-04	14	T2-W-12	0.56		0.00046J	0.0013	0.0027	0.0107	0.055	0.023	<0.00056	0.00016J	<0.00056	<0.28	Α
	1-23-04	14	T3-E-12	3,000		0.77	83	76	640	<0.15	<1.5	<0.077	0.017J	<0.077	<39	Α
	1-23-04	14	T3-W-12	670		0.00063	0.00072	0.11	0.05796	2.2	1.5	<0.00061	<0.00061	0.00045J	<0.3	Α
	1-23-04	14	T4-W-12	3,000		0.092	0.57	26	108	0.31	<1.7	<0.084	<0.084	<0.084	<42	Α
	1-23-04	14	T4-E-12	2.4		0.00016J	0.00028J	0.00053J	0.0028	3.1	11	<0.00056	<0.00056	0.0018	<0.28	Α
USED-OIL UST	1-23-04	8	T1-8		<25	<0.0050	<0.0050	<0.0050	0.00096J	<0.0050	<0.05	<0.01	<0.01	<0.01	<0.25	A
HYDRAULIC	1-23-04	7	HL-1-7		78	<0.0050	<0.0050	<0.0050	0.0013J	<0.0050	<0.05	<0.0050	<0.0050	<0.0050	<0.25	Α
LIFTS	1-23-04	7	HL-2-7		6.5J	<0.0050	<0.0050	<0.0050	0.0012J	<0.0050	<0.05	<0.0050	<0.0050	<0.0050	<0.25	Α
STOCKPILE	1-23-04		SP-1	<0.50		<0.0050	<0.0050	<0.0050	<0.0050	<0.025						Α
	1-23-04		SP-2	<0.50		<0.0050	<0.0050	<0.0050	<0.0050	0.0025J						Α
	1-23-04	-	SP-3		28	<0.0050	<0.0050	<0.0050	<0.0050	<0.025			-			Α
CLARIFIER	1-23-04	5	CL-1-5		5.1J	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.05	<0.0050	<0.0050	<0.0050	<0.25	Α
SECONDARY	1-30-04	16	EX-B-1	1.4		<0.095	< 0.095	<0.095	0.046J	2.5	2	<0.095	<0.095	<0.095	<48	Α
EXCAVATION	1-30-04	16	EX-B-2	1.1		<0.092	< 0.092	<0.092	0.041J	4.7	3.5	<0.092	<0.092	<0.092	<46	Α
	1-30-04	16	EX-B-3	0.61		<0.096	<0.096	<0.096	0.04J	2.4	<1.9	<0.096	<0.096	<0.096	<48	Α
	1-30-04	16	EX-B-4	6.4		<0.096	0.068J	<0.096	0.136J	17	16	<0.096	<0.096	<0.096	4.8J	Α
	1-30-04	15	EX-S-2	4,200		24	580	240	2,540	<3.7	<37	<1.8	<1.8	<1.8	<920	Α
	1-30-04	15	EX-S-1	50		<0.088	0.045J	0.089	0.73	0.03J	<1.8	<0.088	<0.088	<0.088	<44	Α

^{-- =} not analyzed. <# = less than reporting limit.

A = Holguin, Fahan & Associates, Inc.'s current report.



APPENDICES



APPENDIX 1.

RULE 1166 AIR MONITORING LOGS

PLAN	HOLDI	ER		SITE INFORMATION/SOIL ORIGIN				
Strata-	Analysts	Group, In	ic.	Facility Name: Mobil 18-MIA Address: 4770 E 7# St				
P.O. Be	ox 7632			Addres	ss: <u>4</u> 7	70 E	7# S	
Long E	Beach, CA	A 90807				Beach		
SCAQI	MD Refe	rence No.	÷	Contac	t: <u>Gu</u>	illermo	(Bill	
MONI	TORING	G INFOR	MATION					
			a Fid I	Conve	rsion to F	lexane		
		:Hcx		Monito	oring Con	ducted By	Seth 7	
Calibra	tion Date	:1/a	0/04	Phone	No.: 6	62)426	-0199	
Calibra	ted By:_	Justin	Stepanian					
TIME	VOC CONC (PPMV) AT STOCKPILE/LOAD		COMMENTS	TIME	A	NC (PPMV) T ILE/LOAD	COMMENT	
	READING	AS HEXANE			READING	AS HEXANE		
0745	\bigcirc		and dery below					
0800	0		6.					
0815	0							
0830	0							
1045	0) t					
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DATE: 1/20/04

arrived @

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PLAN	HOLDER	E 1166 SOIL MC			/SOIL ORIGIN				
	Analysts Group, Ir	ıc.	Facility Name: Mobil 18 - MIA						
P.O. B	ox 7632		Addres	s: 4770 E	7KSt				
Long E	Beach, CA 90807		City:	Long Be	rach				
SCAQ	MD Reference No.	*	_ Contac	t: Guillerm	<u> </u>				
MONI	TORING INFOR	MATION							
	lodel No.: Dorta	- 1/	_ Conver	sion to Hexane_					
Calibra	tion Gas: <u>HX</u> a	nl	_ Monito	ring Conducted I	By Seth Thomas				
		5/04	_ Phone l	No.: (562)426	-0199				
Calibra	ted By: Just v	a Appanian	_ Total S	oil Excavated:	(Cub. Yds, Tons)				
TIME	VOC CONC (PPMV) AT STOCKPILE/LOAD	COMMENTS	TIME	VOC CONC (PPMV) AT STOCKPILE/LOAD	COMMENTS				
	READING AS HEXANE			READING AS HEXAN					
6845	6	grand over tunks	1130		gravel				
0915	0	graves	1145	8	u				
0936	0	6 1	1200	0	• • • • • • • • • • • • • • • • • • • •				
0945	\circ	•	1215		Lunch				
1000	\bigcirc		1230		4				
1015	0	V.	1245	0	grave				
1030	0		1300		1				
4045	().4 5 h		1315	A	N.				
1100			1330	0	ŧ.				
1115			1345	\wedge	NC .				
monitor in	the manner specified by	ste knowledge and training the conditions of this placementations of VOC con	an. I further co	rtify that the above rea	idings are my				
	la de		2		,				
SIGNATU	RE	Hom	DAT	re: 1/21	104				

	HOLDER		SITE I	NITORING RECORDS SITE INFORMATION/SOIL ORIGIN					
Strata-	-Analysts Group, I	nc.	Facility Name: Mobil 18-MZA						
P.O. B	3ox 7632		Addres	s: <u>477</u>	OE	7th St			
Long l	Beach, CA 90807				Beac				
_	MD Reference No		Contac	t: <u>5011</u>	llermu				
JUNQ	MID Kelefelice M	J	_ Contac	a. <u>(*)077</u>	wir				
MON!	ITORING INFO	RMATION							
Mfg. N	Model No.: Port	a tia II	_ Conve	sion to H	lexane				
Calibr	ation Gas: Hex	are	_ Monito	ring Con	ducted By	Seth Th			
	ation Date: $\frac{1/20}{}$				2)426-				
	<u>.</u>	· Stepanian	_ Total S	oil Excav	/ated:	(Çub. Yds, Ton			
		•							
	VOC CONC (PPMV)			VOC COM	(C (PPMV)				
TIME	VOC CONC (PPMV) AT STOCKPILE/LOAD	COMMENTS	TIME	A	T	COMMENTS			
ГІМЕ	AT		TIME	A	_	COMMENTS			
	STOCKPILE/LOAD		TIME	STOCKPI	T LE/LOAD	COMMENTS			
400	STOCKPILE/LOAD READING AS HEXANE	vemoving	TIME	STOCKPI	T LE/LOAD	COMMENTS			
400 415	STOCKPILE/LOAD READING AS HEXANE	vemovina gravel	TIME	STOCKPI	T LE/LOAD	COMMENTS			
415	STOCKPILE/LOAD READING AS HEXANE	vemovina gravel	TIME	STOCKPI	T LE/LOAD	COMMENTS			
400	STOCKPILE/LOAD READING AS HEXANE	vemovina gravel	TIME	STOCKPI	T LE/LOAD	COMMENTS			
1400 1415 1430	STOCKPILE/LOAD READING AS HEXANE	vemovina gravel	TIME	STOCKPI	T LE/LOAD	COMMENTS			
415	STOCKPILE/LOAD READING AS HEXANE	vemovina gravel	TIME	STOCKPI	T LE/LOAD	COMMENTS			
1400	STOCKPILE/LOAD READING AS HEXANE O O O	vemovina gravel	TIME	STOCKPI	T LE/LOAD	COMMENTS			

RULE 1166 SOIL MONITORING RECORDS

	PLAN	HOLDI				SITE INFORMATION/SOIL ORIGIN					
	Strata-	Analysts	Group, Ir	ı c.	Facility Name: Mobil 18- M2A						
	P.O. B	ox 7632	· · ·		Addres	Address: 4700 E 7世 Sト					
	Long I	Beach, CA	A 90807		City:	Long	Beac	h			
	SCAQ	MD Refe	rence No	··	_ Contac	:t: <u>60</u>	Beac)			
	MONI	TORING	INFOR	MATION		, .					
		1odel No.		ta Fid T	_ Conve	rsion to F	lexane				
	Calibra	tion Gas:	Hosci	ill	Monito	oring Con	ducted By	Seth 7h			
		tion Date	1	3/04		_					
				יחו		Phone No.: (562)476-0199					
	Calibra	ited By: <u> </u>	Justin	otlpanian	_ Total S	oil Excar	vated:	(Cub. Yds, Tons			
	TIME	A	IC (PPMV)	COMMENTS		A	NC (PPMV)	COMMENTS			
10	INIE		ILE/LOAD	COMMENTS	TIME	T	ILE/LOAD	COMMENTS			
pm	-	READING	AJ HEXANE	removing		READING	AS HEXANE				
	1330	T		tourk underneath touk	 						
	1415	110		(sample)			_				
	1430	4500		u							
	1435	4700		41							
	1445	{0									
	1450	1300		11							
	1510	160									
<u>م</u>	1520	0		Nydrolic IcA			 				
9/2 '	1525	$\overline{\mathcal{O}}$		O (Sample)							
	()00		**. *								
	monitor in	at I possess the manner	specified by	ste knowledge and traini the conditions of this pl resentations of VOC con	an. I further co	artify that th	e above readii	ngs are my			

PLAN	HOLDER	<u>E 1166 SOIL MC</u>			ON/SOIL ORIGIN				
Strata-	Analysts Group, In	ıc.	Facility	Facility Name: Mobi 18-MZA					
P.O. B	ox 7632		Addres	s: 4770	ETHST				
Long E	Beach, CA 90807		City:	long Bo	each				
SCAQ	MD Reference No.		_ Contac	t: Builler	md				
MONI	TORING INFOR	MATION							
Mfg. M	lodel No.: <u>Porto</u>	Fix II	_ Conver	sion to Hexane	·				
	tion Gas: Hac		Monito	ring Conducte	d By Sofh Thomas				
	tion Date: 1/22		_ Phone l	No.: (562)4	26-0199				
	ted By: Justin		_ Total S	oil Excavated:	(Cub. Yds, Tons)				
TIME	VOC CONC (PPMV) AT STOCKPILE/LOAD	COMMENTS	TIME	VOC CONC (PPN AT STOCKPILE/LOA	COMMENTS				
	READING AS HEXANE			READING AS HE	XANE				
0900	0	grave	1300	0	grand				
1045	O		1315	6	*,				
1100	0	12	1330	0					
1115	0	(1	1345	Ŏ	4				
1130	0		1400	0					
1145	0		1415	Ŏ	15				
1200	0	ı,¢	1430	Ö	P				
×1215	0	16	1445	0	, t				
1230	Ŏ	ş (1500						
1245	Ŏ (ų	(515	0	•				
I certify the	at I possess the appropria the manner specified by ints and are accurate rep	the conditions of this pl	ing necessary to	rtify that the above	readings are my				
	The same of the sa			,					
SIGNATU	RE:	HOM	_ DA [*]	re: 1/22	104				

PLAN	HOLDI		E 1166 SOIL M			· 	OIL ORIGIN
		Group, Ir	ıc.				18-M1A
	ox 7632		÷				7th St
1.O. D	UX 7U32						
Long I	Beach, CA	A 90807		City:_	Long	1 Bear	ch
SCAQ	MD Refe	rence No.	•	Contac	ot: <u>Gu</u>	Beau illermo	,
MONI	TORING	INFOR	MATION				
			Fa II	Conve	rsion to F	lexane	
		Hexa		•		· · · · · · · · · · · · · · · · · · ·	Sept Thoma
		٠,			_		
		1/20			No.: <u>(50</u>	02)426-0	0199
Calibra	ted By:	Justi	n Stepaniar	Total S	oil Excav	/ated:	(Cub. Yds, Tons)
TIME	· ∧	C (PPMV)	COMMENTS			iC (PPMV) T	COMMENTS
ILIVIE	STOCKPI READING	LE/LOAD	COMMENTS	TIME	STOCKPI	LE/LOAD	COMMENTS
1530	Ø.	AS HEXANE	removing grave		READING	AS HEXANE	
1545	0		g rave				
1600	0		. (
1615			N				
1630	0		٠,				
1645	0		11				
1700	Ò		11				
* 1715	0.5		ц				
1730	0						,
	6						
monitor in	the manner i	ipecified by	te knowledge and traini the conditions of this pl	an. I further co	rtify that the	e above readin	De are my
measureme	nts and argin	occurate repr	esentations of VOC cor	itamination end	ountered du	ring soil exca	vation.
				,			

Rule 1166 Soil Monitoring Records Facility/Site Information Company Name Mompos Construction Co., Inc. 23905 Clinton Keith Road # 114-247 Wildomar, CA 92595 Plan #: 410993 ID #: 97680 Reference No(s). **Monitor Information Monitoring Personnel Calibration Data Excavation Summary** (Upon completion of each page) Total Cubic Yds (This page) Date Model: Company: Total Cubic Yds (To date) Removed from Phone: Type US-637-0219 Site (To date) Time VOC Concentration (PPMV) @ Comment Time VOC Concentration (РРМV)@ Comment Excavated Load Excavated Load Every Reading Hexane Adjusted Reading Hexane Every Adjusted Reading 15 min. Factor 15 min. Factor Reading Program (menios) 145 1.5 11 (sent look (20 g) 0815 11 Sil-SE com 36.B 30.3 1389S 30.0 3020 USK usts 28.1 i1 V 1015 I certify that the information contained in the above document is true and correct. I further certify that the above listed hydrocarbon monitor was operated in a manner consistent with the manufacturer's specifications and the conditions specified within this plan. In addition, I certify that the above readings represent the actual measurements I observed and recorded during the excavation process.

SIGNATURE:

DATE:



APPENDIX 2.

DISPOSAL DOCUMENTATION

CERTIFICATE OF DESTRUCTION

ECOLOGY AUTO PARTS 13780 E. IMPERIAL HWY SANTA FE SPRINGS, CA 90670 (562)404-8683

COMPANY NAME: MOBIL OIL #18-MIA

ADDRESS: 4770 7TH ST. LONG BEACH, CA

DESCRIPTION: 2-10,000 1-1,00 1-12,000 GALLON FIBERGLASS TANKS & 2-STEEL HOISTS

UNDERGROUND STORAGE TANK(S) & HOIST(S)
HAVE BEEN SCRAPPED, CRUSHED AND DESTROYED AT
ECOLOGY AUTO PARTS
SANTA FE SPRINGS, CA.
ON: 01/24/04

SIGNATURE: Dabaea Medical

TITLE: MANAGER/BARBARA MEDRANO

DATE: 02/03/04

print or type. Form designed for use on elite (12-p		Aanifest Documer		2. Page 1		iacramento, Califo n in the shaded are
UNIFORM HAZARDOUS WASTE MANIFEST	CAL 0 0 0 0 5 0 4 6 5	0 0 0	0	1 of 1		ired by Federal lav
3. Generator's Name and Mailing Address X	xonficial Oil Corporation o		A. State	Manifest Document I	Yumber	22980
	265 W. Bayaud Avenue, Suit	e 300	B State	Generator's ID		- KAOU
4. Generator's Phone (303)985-80	•			11411	144	
5. Transporter 1 Company Name	6. US EPA ID Number		C. State	Transpart XXXX	KKKKKX)	XXXXXXXX
Nieto and Sons Truckin	ng, Inc. C A T 0 8 0 0 1	. 6 1 1 6	D. Trans	porter's Phone (7	14) 99	9-6855
7. Transporter 2 Company Name	8. US EPA ID Number	-1		Transporter's ID [Res	erved.]	
			F. Transp	oarter's Phone		nga daga daga daga da Nga galawan da daga da
2. Designated Facility Name and Site Address Crosby & Overton	s 10. US EPA ID Number		G. State	Facility's ID		
1630 W. 17th Street			H. Facili	hy's Phone		
Long Beach, CA 90813	C A D 0 2 8 4 0	9 8 1 9	3	(8)	10) 82	7-6729
11. US DOT Description (including Proper Ship	pping Name, Hazard Class, and ID Number)	12. Co No.	ntainers Type	13. Total Quantity	14. Unit Wt/Vol	1. Waste Numbe
Waste Flammable Liquid	i, n.o.s.					Stat 241
Gasoline) 3 UN 1993 P	PG II	0,0,1	Т т	X X 7 5 0	G	EPADOO1
ь.			 	1 100 100	1	State
						EPA/Other
\			1-1-	<u> </u>		State
						EPA/Other
2						
d.						State
						EPA/Other
J. Additional Descriptions for Materia	Her MOBIL 18-MIA		K. Hand	ling Codes for Waste	and the second	we
	4770 7th STREET.		1	15	b .	
	LONG BEACH, CA		c.		d.	
15. Special Handling Instructions and Addition			1			
NO SMOKING	PROFILE #14359	Dispos	sal Co	ata to : I	Maoxx	obil Cil
24 Hour Emergency Phone			•	7	LAS L 25 4 5	2 108E
Wear Appropriate Protec	ctive Clothing Mobil Engi					
marked, and labeled, and are in all respe	cectare mar me contents of this consignment are fully only ects in proper condition for transport by highway accord	ing to applicable	internation	al and national gove	ernment regu	lations.
If I am a large quantity generator, I certi	fy that I have a program in place to reduce the valume	and taxicity of v	vaste generi	ated to the degree t	have determ	ined to be econom
and the environment; OR, if I am a small	racticable method of treatment, storage, or disposal cur quantity generator, I have made a good faith effort to	rently available I minimize my wa	o me which ste generati	minimizes the prese on and select the be	ent and future est waste mai	e threat to human t nagement method t
available to me and that I can afford. Printed/Jyped Name	Signature 12-	· •			Mod	nth Day
BILL YOUNG	1 300	1 + Ja	and the second		0	1116
17. Transporter 1 Acknowledgement of Receip Printed/Typed Name	ot of Materials Signature		7		<u>M</u> ∘	nth Day
Rvan M. Forrest	ter Tues	M. The			Ö	116
18. Transporter 2 Acknowledgement of Receip	ot of Materials Signature				Mo	nth Day
Printed/Typed Name					i MO	

DO NOT WRITE BELOW THIS LINE.

20. Facility Owner or Operator Certification of receipt of hazordous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

L T Y

Month

407

Day

DO NOT WRITE BELOW THIS LINE.

Thomas D. Beck & Assoc., Inc. dba HARBOR TESTING LABORATORY	MARIN.	CHEMIST CERTIFICATE
24 HOUR PHONE: (562) 492-9646	10.60.11	Serial # 485
NIETO AND SONS	MOBIL STA.	23 JM 14
Survey Constitution of the Survey Survey of the Survey of	Vessel Owner or Agent Type of Vessel	4770 E 7 TO ST LANGATE
Vessel MOLINE WHEE ALL	Type of Vessel	Specific Location of Vessel
Last Cargo	TEGS Performed	Time Survey Completed
(4) FOUR DOURNE UM	W TESTER	o. M. Wel
MARCOLASS CONSTRUCT		4 Dy
UNTARBROWNO STORM		,
TIMES MARKED WITH	1 (100/511)	Pe for workers
,	NOT SAY	V hop hot well
RAD SPRAY PATNIT		,
· ·	3 /MWRU /11	THE BEEN CLEMED.
485.1 j 485.2 j 485. +85.4	SAPE TO C	OLD CHT TANKS
	USING HXDRAG	140 /PAUEMATIC TOUS
MSA MUROUMP SIN 2743	5 CAVIBRATED	0800 My 23 JAN 04
In the event of any physical or atmospheric ac any of the above spaces, or if any doubt, imm	dversely affecting the STANDARD SA	FETY DESIGNATIONS assigned to
QUALIFICATIONS: Transfer of ballast of manipulation of valves or clos unless specifically approved in this Certificate, requires inspection and similarly enclosed appurtenances shall be considered "not safe" unles STANDARD SAFETY DESIGNATIONS (partial list, paraphrased from	sure equipment tending to after conditions in pipe lin d endorsement or reissue of Certificate for the space as otherwise specifically designated.	es, tanks or compartments subject to gas accumulation, es so affected. All lines, vents, heating coils, valves, and
SAFE FOR WORKERS: Means that in the compartment of space so materials in the atmosphere are within permissible concentrations; and maintained as directed on the Marine Chemist's Certificate.	designated: (a) the oxygen content of the atmosphe that, (c) the residues are not capable of producing to	ere is at least 19.5 percent by volume; and that, (b) toxic xic materials under existing atmospheric conditions while
NOT SAFE FOR WORKERS: Means that in the compartment of space	e so designated, the requirements of Safe for Worke	rs have not been met.

ENTER WITH RESTRICTIONS: Means that in any compartment or space so designated, entry for work may be made only if conditions of proper protective equipment, clothing, and time are specified.

SAFE FOR HOT WORK: Means that in any compartment designated: (a) oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces or where external hot work is to be performed; and that, (b) the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit; and that, (c) the residues are not capable of producing a higher concentration than permitted by (b) above under existing atmospheric conditions in the presence of fire, and while maintained as directed on the Marine Chemist's Certificate; and further, that, (d) all adjacent spaces containing or having contained flammable or combustible materials have been cleaned sufficiently to prevent the spread of fire, or are satisfactorily inerted, or, in the case of fuel tanks or lube oil tanks, or engine room or fire room bilges, have been treated in accordance with the Marine Chemist's requirements.

NOT SAFE FOR HOT WORK: Means that in the compartment so designated, the requirements of Safe for Hot Work have not been met.

CHEMIST'S ENDORSEMENT. This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

The undersigned acknowledges receipt of this Certificate under Section 2-6 of NEPA 306 and
inderstands conditions and limitations under which it was issued."

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is idealed subject to compliance with all idealifications and instructions.

Signed

Name

Signed

Company

Date



APPENDIX 3.

UNDERGROUND STORAGE TANK REMOVAL PERMITS

CITY OF LONG BEACH INSPECTION REQUEST LINE (562) 570-2560

BUREAU OF FIRE PREVENTION

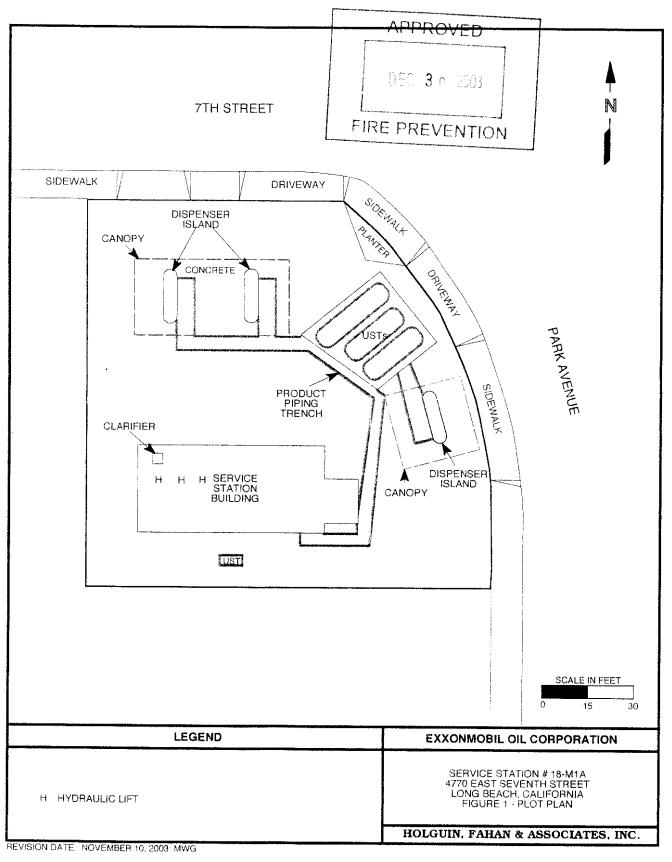
925 HARBOR PLAZA SUITE 100 (562) 570-2560

Misc Fee

523.81

I briebly alliem that I am licensed under provisions of Chapter 9 (Commenced and effect.) Gate		LICENSED CONTRACTORS DECLARA	TION			WORKER'S f		N DECLARATIO				
Direct Contractor Contrac	I hereby affirm that I am licens of Division 3 of the Business a	sed under provisions of Chapter 9 nd Professional Code, and my lic	(Commencing with ense is in full force	Section 7000)	I hereby a	ffirm that I have a c	ertificate of	concent to cal	faingure or o			
Date Contractor Commenced and Experiment of Planning and Beilding. I hereby affirm that I am exempt from the Contractoria (Leave for the following reason (Ser. 203)) and the Contractoria (Leave for the following reason (Ser. 203)) and the Contractoria (Leave for the following reason (Ser. 203)) and the Contractoria (Leave for the following reason (Ser. 203)) and the Contractoria (Leave for the following reason (Ser. 203)) and the Contractoria (Leave for the following reason (Ser. 203)) and the Contractoria (Leave for the following reason (Ser. 203)) and the Contractoria (Leave for the structure is not infended or eleverate for sain (Ser. 204, B. 8. P. C. Practical (Leave for the structure is not infended or eleverate for sain (Ser. 204, B. 8. P. C. Practical (Leave for the structure is not infended or eleverate for sain (Ser. 204, B. 8. P. C. Practical (Leave for the structure is not infended or eleverate for sain (Ser. 204, B. 8. P. C. Practical (Leave for the structure is not infended or eleverate for sain (Ser. 204, B. 8. P. C. Practical (Leave for the sain of complete) and the structure is not infended or eleverate for sain (Ser. 204, B. 8. P. C. Practical (Leave for the sain of complete) and the structure is not infended or eleverate for sain (Ser. 204, B. 8. P. C. Practical (Leave for the sain of complete) and the sain of complete for sain (Leave for sain of complete for sain (Leave for sain of complete for sain (Leave for sain of complete for sain of complete for sain (Leave for sain of complete for sain (Leave for sain of complete f	License ClassLicen	nse No.			ſ			ice ur a ceriii	eu cupy inereor.			
L beety aftirm that I am exempt from the Contractors License Law for the tallowing reason (Sec. 2031. California Subrases and Professional Lodes Ap. (1) which requires a permit to construct, alteri, and the Contractors License Law for the Contractors Lic	Date	Contractor			CertifiCertifi	ed copy is hereby fi ed copy is filed wit	ırnished. h the Depart	ment of Plannin	ig and Building.			
Labrichia discinsive and Professional Codes Any City which requires a permit to construct, aller, such permit to literate special contents of the Contractors License Law (E. S. Commencing with Sec. 7000 of Div. 3 of the B. 6 P. C. Div. Sec. 10 of the Contractors License Law (E. S. Commencing with Sec. 7000 of Div. 3 of the B. 6 P. C. Div. Sec. 10 of Div. 3 of the B. 6 P. C. Div. Sec. 10 of Div. 3 of the B. 6 P. C. Div. Sec. 10 of Div. 3 of the B. 6 P. C. Div. Sec. 10 of Div. 3 of the B. 6 P. C. Div. Sec. 10 of Div. 3 of the B. 6 P. C. Div. Sec. 10 of Div. 3 of the B. 6 P. C. Div. Sec. 10 of Div. 3 of the B. 6 P. C. Div. Sec. 10 of Div. 3 of the B. 6 P. C. Div. Sec. 10 of Div. 3 of the B. 6 P. C. Div. Sec. 10 of Div. 3 of the B. 6 P. C. Div. Sec. 10 of Div. 3 of the B. 6 P. C. Div. Sec. 10 of Div. 3 of Div. Sec. 10 of Div. 3 of Div. Sec. 10 of Div. 3 of D	hereby affirm that I am even		ann fan de fallande	la ====	CERTIE	CATE DE EXEMPTION	FROM WORL	CUTE THROUGH	ATTIIN INSTIDANCE			
and the structure is anotherly and permitted by the complexity of the provision of the Labor Code. For mind the contractors License factors and who does such work himself or through his own employees, provided that such improvements are of completion that purpose of sales.) - I am exempt under Sec. - B. & P.C. for this reason Date - Owner - Hompson and extrictions set farth on the froil laces of this contraction in the Contractors License Laws.) - I am exempt under Sec. - B. & P.C. for this reason Date - Owner - Hompson T - Application is hereby made to the first Marshal, Bureau of fire Prevention for a permit subject to the building construction and estrictions set farth on the froil laces of this application in performed under or pursuits to any permit tion is an easy laces and each person and establing and establing the demed revoked that the labor to a construction of the group of the performance of the property are exclusively contracting with a Contractors of the contractor of the contract	California Business and Professi improve, demotish or repair any	onal Code: Any City which required the structure prior to its issuance a	aw for the tollowing es a permit to const iso requires the an	reason (Sec. 7031 truct, alter,	I return to	ial in the periormand	e or the wo	rk for which th	lis permit is issued			
and the structure is to properly and properly and properly with wages, as their sole compression will do the work and the structure is an an extraction of the property of the property of the property of the property of complete the work himself or through his own employees, provided that such improve territory of complete the property of the proper	such permit to file a signed sta of the Contractors License Law	itement that he is a licensed cont (Ch.9 (Commencing with Sec 700)	tractor pursuant to the Div.3 of the B.	e provisions & P. C.).	1							
and the structure is anotherly and permitted by the complexity of the provision of the Labor Code. For mind the contractors License factors and who does such work himself or through his own employees, provided that such improvements are of completion that purpose of sales.) - I am exempt under Sec. - B. & P.C. for this reason Date - Owner - Hompson and extrictions set farth on the froil laces of this contraction in the Contractors License Laws.) - I am exempt under Sec. - B. & P.C. for this reason Date - Owner - Hompson T - Application is hereby made to the first Marshal, Bureau of fire Prevention for a permit subject to the building construction and estrictions set farth on the froil laces of this application in performed under or pursuits to any permit tion is an easy laces and each person and establing and establing the demed revoked that the labor to a construction of the group of the performance of the property are exclusively contracting with a Contractors of the contractor of the contract	by any applicant for a permit s bundred dollars (\$500.00)	and the basis for the alleged ex- ubjects the applicant to a civil p	emption. Any violation renalty of not more t	on of Sec 7031.5 than five	1							
and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. Highweyer, the building or improvements are not returned or offered for sale. Highweyer, the building or improvements are not returned or offered for sale. Highweyer, the building or improvements are not extended or offered for sale. Highweyer, the building or improvements are not extended or offered for sale. Highweyer, the project (Sec. 7044, 8, & P.C.) The Contractors License Law. - I are exempt under Sec. _ B. & P.C. for this reason Date	* I as owner of the property,or and the structure is not intened	my employees with wages as the or offered for sale (Sec. 7044. B	eir sole compensatio	in, will do the work	should bec	APPLICANT : 11, atte ome subject to work omply with such are	er making th 's Comp. pro vicings or th	is Certificate of visions of the	f Exemption, you Labor Code. You must			
a I as owner of the property, am exclusively contracting with licensed contractors to construct the project foer. 7044, 8 & P.C.: The Contractors License Law, John State Law does not apply to an owner of contracts for such projects with a Contractor(s) License pursuant to the Contractor License Law). - I am exempt under Sec	law does not apply to an owne and who does such work himsel	r of property who builds or impr if or through his own employees,	oves theron, provided that such i	mprovements are					be deemen levoked.			
a I as owner of the property, am exclusively contracting with licensed contractors to construct the project foer. 7044, 8 & P.C.: The Contractors License Law, John State Law does not apply to an owner of contracts for such projects with a Contractor(s) License pursuant to the Contractor License Law). - I am exempt under Sec	of completion, the owner-builder the purpose of sale)	. It,however,the building or impro will have burden of proving that	evements is sold with the did not build or	nin one year improve for	l haraby o				,			
* I am exempt under Sec	* I as owner of the property,am the project (Sec. 7044, B. & P.	exclusively contracting with lice C.: The Contractors License Law	ensed contractors to	construct	of the wor	tate that there is a c k for which this peri	onstruction i nit is issued	leading agency (Sec. 3907,Civ	for the performance v. C.).			
Date Owner - Individual Construction and hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes. The conditions and restrictions set forth on the front laces of this application is hereby made to the fire Marshal, Bureau of fire Prevention for a permit subject to the conditions and restrictions set forth on the front laces of this application. The conditions and restrictions set forth on the front laces of this application is papication and an activation of the following property for inspection purposes. The conditions and restrictions set forth on the front laces of this application is made and each person at whose benefit work is shall, indemnity and hold harmless, the Crit issued as a result of this application. The condition is a result of this application and wide in the submice of such permit. 2 Any permit issued as a result of this application. Set for the bissuance of any permit from this application. The minimum property for inspection purposes. The property for inspection purposes. The condition of the property for inspection purposes. The purpose of the purpose and the purposes. The purpose of	to an owner of contracts for suc Contractors License Law.).	ch projects with a Contractor(s) L	ie									
Date Owner - Individual Construction and hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes. The conditions and restrictions set forth on the front laces of this application is hereby made to the fire Marshal, Bureau of fire Prevention for a permit subject to the conditions and restrictions set forth on the front laces of this application. The conditions and restrictions set forth on the front laces of this application is papication and an activation of the following property for inspection purposes. The conditions and restrictions set forth on the front laces of this application is made and each person at whose benefit work is shall, indemnity and hold harmless, the Crit issued as a result of this application. The condition is a result of this application and wide in the submice of such permit. 2 Any permit issued as a result of this application. Set for the bissuance of any permit from this application. The minimum property for inspection purposes. The property for inspection purposes. The condition of the property for inspection purposes. The purpose of the purpose and the purposes. The purpose of	* I am exempt under Sec	B. & P.C. for this reason										
Application is hereby made to the Fire Marchal, Bureau of Fire Prevention for a permit subject to the Conditions and restrictions self onth on the front laces of this application 1 Each person upon whose behalf this application is made and each person at whose benefit work is performed under or pursurnt to any permit issued as a result of this application agrees to and its ability and hold harmless the City of Long Beach its officers, agents and employees from any Itability arising out of the issuance of any permit from this application. 2 Any permit issued as a result of this application becomes null and void if work is not commenced and permit is used as a result of this application. The permit issued as a result of this application will be provided to the issuance of any permit from this application. The permit issued as a result of this application and evolve if work is not commenced and permit issued as a result of this application. The permit issued as a result of this application and employees from any Itality arising out of the issuance of any permit if the permit issued as a result of this application. The permit issued as a result of this application and employees from any Itality arising out of the issuance of any permit issued as a result of this application. The permit issued as a result of this application. The permit issued as a result of this application. The permit issued as a result of this application. The permit issued as a result of this application. The permit issued as a result of the support is an employees from any permit issued as a result of this application. The permit issued as a result of this application. The permit issued as a result of this application. The permit issued as a result of this application. The permit issued as a result of the permit issu	Date	Owner			to the buil	ding construction, and the above mention	hereby authored	tn an Lity and Drize representa for inspection	State laws relating atives of this city			
A 770 E 07TH ST 0337147 12/11/03 C0394672 JOB DESCRIPTION REMOVE (3) GAS UST (1 USED OIL & 3 HYDRAULIC LG&S © EXXON MOBIL AREA OWNER BATSHON, NABIL ADDRESS 4770 E 07TH ST 7241018032 ZONE CITY LONG BEACH CA 90814 APPLICANT ASSOCIATES, HOLGUIN FAHAN & UNDRGRND TANK Per \$523.8 CONTRACTOR STATE LICENSE NO. CITY LICENSE NO. CITY LICENSE NO. CITY LICENSE NO.	Application is hereby made to t	-IMPORANT- he fire Marshal, Bureau of fire f	revention for a perm	nit subject to the			icu property	Tot Inspection	purposes.			
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CITY OF LOT BEACH PLANNING & BUIL G 333 W. DCEAN BLVD. INSPECTION REQUEST LINE (362) 570-6105 DEPARTMENT (562) 570-6651

LICENSED CONTRACTORS DECLARATION	WORKER'S COMPENSATION DECLARATION	
I hereby affirm that I am licensed under provisions of Chapter 9 (Commencing with Section 7000) of Division 3 of the Business and Professional Code, and my license is in full force and effect.	I have and will maintain workers' compansation insurance, as req by Section 3700 of the Labor Code, for the performance of the w which this permit is issued. My workers' compensation insurance policy are: Carrier:	uired ork for
License Class License No.		
OWNER-BUILDER DECLARATION I hereby affirm that I am exempt from the Contractors License Law for the following reason (Sec.7031 California Business and Professional Code: Any City which requires a permit to construct, alter, improve, demolish or repair any structure prior to its issuance also requires the applicant for such permit to file a signed statement that he is a licensed contractor pursuant to the provisions of the Contractors License Law (Ch.9 (Commencing with Sec. 7000 of Div.3 of the B. & P. C.). or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Sec. 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dullars (\$500.00.):	(This Section need not be completed if the permit is for one hund dollars (\$100) or less). I certify that in the performance of the work for which this perm issued, I shall not employ any person in any manner so as to bec subject to the workers' compensation laws of California, and agree if I should become subject to the workers' compensation provision Section 3700 of the Labor Code, I shall forthwith comply with the provisions. Date Applicant WARNING: FALLURE TO SECURE WORKERS' COMPENSATION COVERAGE IS	it is come e that is of se
nundred collars (\$500.00.).: * I as owner of the property,or my employees with wages as their sole compensation, will do the work and the structure is not intened or offered for sale (Sec 7044, B. & P. C.: The Contractors License Law does not apply to an owner of property who builds or improves theron, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvements is sold within one year of completion, the owner-builder will have burden of proving that he did not build or improve for the purpose of sale.). * I as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, B. & P.C.: The Contractors License Law does not apply to an owner of contracts for such projects with a Contractor(s) License pursuant to the Contractors License Law.).	of the work for which this permit is issued (Sec. 3907, Civ. C.). Lender's Name Lender's Address	огтавсе
" I am exempt under Sec,B. & P.C. for this reason DateOwner	I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws r to the building construction, and hereby authorize representatives of this	elating
-IMPORANT- Application is hereby made to the Superintendent of Building and Safety for a permit subject to the conditions and restrictions set forth on the front faces of this application 1 Each person upon whose behalf this application is made and each person at whose benefit work is performed under or pursurat to any permit issued as a result of this application agrees to and shall, indemnify and hold harmless the City of Long Beach its officers, agents and employees from any liability arising out of the issuance of any permit from this application application. 2 Any permit issued as a result of this application becomes null and void if work is not commenced within ONE HUNDRED EIGHTY (180) DAYS from date of issuance of such permit.	to enter upon the above mentioned property for inspection purposes.	
VOO ABBIICOO	RECEIPT NO. DATE PROJECT N	Date IO.
4770 E 07TH ST	RECEIPT NO. 0338749 01/13/04 C039	6149
GRADING PERMIT TO REMOVE UNDERGROUND TANKS	DCCUPANCY PLANNING	
BATSHON, NABIL ADDRESS	01/13/04 ASSESSOR NO. ZONE	4 PRM
4770 E 07TH ST	7241018032 CCA	
LONG BEACH CA 90814	1	76.03
BATSHON, NABIL CONTRACTOR	ODADING D	37.00
HOLGUIN, FAGAN & ASSOCIATES	GRADING Per \$12	23.25
143 S FIGUEROA CT	DEPUTY INSP. Per \$	70.00
CITY STATE ZIP CODE PHONE VENTURA CA 93001 805-649		14.97
STATE LICENSE NO. 683838 ARCHITECT/ENGINEER LICENSE NO.	NO.	
ADDRESS		
CITY STATE ZIP CODE PHONE		
VALUATION PRESENT BLDG USE PROPOSED BLDG USE COMM COMM	BLDG HEIGHT TYPE OF CONST	
LEGAL DESCRIPTION	CHECK FEES \$24	15.22
Paid By: ANDERSON, KRISTIN	Check # 5509	4
GRADING MULTIPLE PE		7 00
GRADING		7.00
GIADING		3.25
VALUATION Current Val	Processing Fee 16 450 Valuation Fee 10	5.25 7.00
175 AMOUNT OF CUT 275 AMOUNT OF FILL	i	.00
DEPUTY INSP.	TOTAL FEE 70	0.00
		0.00
1 DEPUTY INSPECT		0.00

INSPECTOR'S OFFICE HOURS 3:30 - 4:30 P.M. DAILY

D' `T. of PLANNING and BUILD' 3 CITY of LONG BEACH

24 HOUR INSPECTION REQUEST 570-6105

NOTICE OF INSPECTION

ADDRESS 4770 E 7th St
) RECEIVED COPY OF SOILS REPORT
2) OBTAIN FIRE APPROVAL FOR TANK REMOVAL PERMIT #E039467
BOVE IS COMPLETE
2-13-04 LOREN PATEN DATE INSPECTOR'S SIGNATURE

BL-84 (3/94)



APPENDIX 4.

SITE PHOTOGRAPHS

PHOTOGRAPHS OF SITE WORK



PROJECT: ExxonMobil #18-M1A

PHOTOGRAPH 1:

Removal of used-oil UST.

PHOTOGRAPHS OF SITE WORK



PROJECT: ExxonMobil #18-M1A

PHOTOGRAPH 2:

Removal of gasoline UST #1

PHOTOGRAPHS OF SITE WORK



PROJECT: ExxonMobil #18-M1A

PHOTOGRAPH 3:

Removal of gasoline UST #2

PHOTOGRAPHS OF SITE WORK



PROJECT: ExxonMobil #18-M1A

PHOTOGRAPH 4:

Removal of gasoline UST #3

PHOTOGRAPHS OF SITE WORK



PROJECT: ExxonMobil #18-M1A

PHOTOGRAPH 5:

Shoring along 7th Street



APPENDIX 5.

LABORATORY REPORTS



January 30, 2004

James Anderson Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756

Subject: Calscience Work Order No.: 04-01-1216

Client Reference: ExxonMobil 18-M1A

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 1/23/2004 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental

Laboratories, Inc.

Don Burley

Project Manager

Michael J. Crisostomo Quality Assurance Manager

Lalscience Invironmental Laboratories, Inc.

Analytical Report

Holguin, Fahan & Associates, Inc.

143 S. Figueroa Street Ventura, CA 93001-2756 Date Received: Work Order No:

Preparation: Method: 01/23/04

04-01-1216 EPA 5035

DHS LUFT

Project: ExxonMobil 18	3-M1A		_					Page 1 of 3
Client Sample Number			Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
D1-5			04-01-1216-1	01/23/04	Solid	01/23/04	01/25/04	040124B03
Parameter	Result	RL	<u>DF</u>	Qual	<u>Units</u>			
TPH as Gasoline	0.076	0.12	0.47	J	mg/kg			
Surrogates: 1,4-Bromofluorobenzene	<u>REC (%)</u> 91	Control Limits 70-130		Qual				
D2-5			04-01-1216-2	01/23/04	Solid	01/23/04	01/25/04	040124B03
<u>Parameter</u>	Result	<u>RL</u>	<u>DF</u>	Qual	<u>Units</u>			
TPH as Gasoline	0.13	0.14	0.54	J	mg/kg			
Surrogates: 1,4-Bromofluorobenzene	<u>REC (%)</u> 90	Control Limits 70-130		Qual				
D3-5			04-01-1216-3	01/23/04	Solid	01/23/04	01/25/04	040124B03
Parameter	<u>Result</u>	RL	<u>DF</u>	Qual	<u>Units</u>			
TPH as Gasoline	0.057	0.13	0.53	J	mg/kg			
Surrogates: 1,4-Bromofluorobenzene	REC (%)	Control Limits 70-130		Qual				
T2-E-12			04-01-1216-7	01/23/04	Solid	01/23/04	01/26/04	040122B02
Parameter	Result	<u>RL</u>	<u>DF</u>	Qual	<u>Units</u>			
TPH as Gasoline	11000	380	1517		mg/kg			
Surrogates: 1,4-Bromofluorobenzene	REC (%)	Control Limits 70-130		Qual				

RL - Reporting Limit ,

DF - Dilution Factor ,

Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL: (714) 895-5494 • FAX: (714) 894-7501



Date Received: 01/23/04 Holguin, Fahan & Associates, Inc. Work Order No: 04-01-1216 143 S. Figueroa Street Preparation: EPA 5035 Ventura, CA 93001-2756 Method: **DHS LUFT**

Project: ExxonMobil	18-M1A							Page 2 of 3
Client Sample Number			Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
T2-W-12			04-01-1216-8	01/23/04	Solid	01/23/04	01/25/04	040124B03
<u>Parameter</u>	Result	RL	<u>DF</u>	Qual	<u>Units</u>			
TPH as Gasoline	0.56	0.15	0.59		mg/kg			
Surrogates: 1,4-Bromofluorobenzene	REC (%) 95	Control Limits 70-130		Qual				
154E-12			04-01-1216-9	01/23/04	Solid	01/23/04	01/25/04	040122B02
<u>Parameter</u>	Result	<u>RL</u>	<u>D</u> F	Qual	<u>Units</u>			
TPH as Gasoline	3000	190	774		mg/kg			
Surrogates:	REC (%)	Control Limits		<u>Qual</u>				
1,4-Bromofluorobenzene	115	70-130						
T3-W-12			04-01-1216-10	01/23/04	Solid	01/23/04	01/26/04	040122B02
<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>			
TPH as Gasoline	670	43	172		mg/kg			
Surrogates:	REC (%)	Control		Qual				
1,4-Bromofluorobenzene	164	<u>Limits</u> 70-130		2				
Method Blank			099-12-009-2,8	22 N/A	Solid	01/22/04	01/22/04	040122B02
<u>Parameter</u>	Result	<u>RL</u>	<u>DF</u>	Qual	<u>Units</u>			
TPH as Gasoline	ND	10	40		mg/kg			
Surrogates:	REC (%)	Control		Qual				
1,4-Bromofluorobenzene	84	<u>Limits</u> 70-130						

^{2:} Surrogate spike compound was out of control due to matrix interference. The high surrogate recovery was confirmed by re-analysis on 01/26/04. The batch method blank surrogate and LCS/LCSD were in control and, therefore, the sample data was reported without further clarification.

DF - Dilution Factor ,

Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL: (714) 895-5494 • FAX: (714) 894-7501



Holguin, Fahan & Associates, Inc.

143 S. Figueroa Street Ventura, CA 93001-2756 Date Received:

01/23/04

Work Order No:

04-01-1216

Preparation:

EPA 5035

Method:

DHS LUFT

Project: ExxonMobil 18-M1A

Page 3 of 3

Client Sample Number			Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank			099-12-009-2,8	27 N/A	Solid	01/24/04	01/25/04	040124B03
Parameter	Result	<u>RL</u>	DF	Qual	<u>Units</u>			
TPH as Gasoline	ND	0.25	1		mg/kg			
Surrogates:	REC (%)	Control		Qual				
1,4-Bromofluorobenzene	82	<u>Limits</u> 70-130						

RL - Reporting Limit ,

DF - Dilution Factor ,



Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street

Date Received: Work Order No: Preparation: Method:

04-01-1216 EPA 5035

01/23/04

EPA 8260B

roject: EvvonMobil 18-M1A

Ventura, CA 93001-2756

Page 1 of 3

Project: ExxonMobil 1	18-M1A								Pag	ge 1 of
Client Sample Number				Sample umber	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Bate	ch ID
D1-5			04-01	-1216-1	01/23/04	Solid	01/26/04	01/26/04	040126	LO1
Parameter	Result	RL	DF Qual	<u>Units</u>	Parameter		Result	<u>RL</u>	DF Qual	<u>Units</u>
Benzene	ND	0.73	0.732	ug/kg	Tert-Butyl Alcoho	ol (TBA)	21	15	0.7321	ug/kg
Ethylbenzene	ND	0.73	0.732	ug/kg	Diisopropyl Ethe	r (DIPE)	ND	0.73	0.732	ug/kg
Toluene	0.32	0.73	0.732J	ug/kg	Ethyl-t-Butyl Eth	er (ETBE)	ND	0.73	0.732	ug/kg
o/m-Xylene	0.58	1.5	0.732J	ug/kg	Tert-Amyl-Methy	Lether (TAI	ME) ND	0.73	0.732	ug/kg
-Xvlene	0.18	0.73	0.732J	ug/kg	Ethanol		ND	370	0.732	ug/kg
Methyl-t-Butyl Ether (MTBE)	2.4	1.5	0.732	ug/kg						
Surrogates:	REC (%)	Control	Qual	<u>Į</u>	Surrogates:		REC (%)	Control	<u>Qual</u>	
		Limits					00	F4 444		
Dibromofluoromethane	101	65-157			Toluene-d8		98	51-144		
I,4-Bromofluorobenzene	98	49-141								
D2-5			04-01	-1216-2	01/23/04	Solid	01/26/04	01/26/04	040126	L01
Parameter	Result	RL	DF Qual	<u>Units</u>	Parameter		Result	RL	DF Qual	Units
Benzene	0.12	0.68	0.675J	ug/kg	Tert-Butyl Alcoh	of (TBA)	13	14	0.675J,I	ug/kg
Ethylbenzene	ND	0.68	0.675	ug/kg	Diisopropyl Ethe	. ,	ND	0.68	0.675	ug/kg
Foluene	0.25	0.68	0.675J	ug/kg	Ethyl-t-Butyl Eth		ND	0.68	0.675	ug/kg
n/m-Xylene	ND	1.4	0.675	ug/kg	Tert-Amyl-Methy		ME) ND	0.68	0.675	ug/kg
o-Xylene	ND	0.68	0.675	ug/kg	Ethanol		ND	340	0.675	ug/kg
Methyl-t-Butyl Ether (MTBE)	0.24	1.4	0.675J	ug/kg						-5-5
Surrogates:	REC (%)	Control	Qua	ļ	Surrogates:		REC (%)	Control	Qual	
		<u>Limits</u>								
Dibromofluoromethane	99	65-157			Toluene-d8		99	51-144		
1,4-Bromofluorobenzene	96	49-141								
D3-5			04-01	-1216-3	01/23/04	Solid	01/26/04	01/26/04	040126	L01
Parameter	Result	RL.	DF Qual	Units	Parameter		Result	<u>RL</u>	DF Qual	<u>Units</u>
Benzene	ND	0.62		ug/kg	Tert-Butyl Alcoh	ol (TBA)	11	12	0.615J,I	ug/kg
Ethylbenzene	ND		0.615	ug/kg	Diisopropyl Ethe		ND	0.62	0.615	ug/kg
Foluene	0.33	0.62		ug/kg	Ethyl-t-Butyl Eth	,	ND	0.62	0.615	ug/kg
o/m-Xylene	0.36	1.2	0.615J	ug/kg	Tert-Amyl-Methy			0.62	0.615	ug/kg
o-Xylene	ND	0.62	0.615	ug/kg	Ethanoi	. ,	ND	310	0.615	ug/kg
Methyl-t-Butyl Ether (MTBE)	0.98	1.2	0.615J	ug/kg	•					5 5
Surrogates:	REC (%)	Control	Qua	<u>I</u>	Surrogates:		REC (%)	Control	Qual	
Dibromofluoromethane 1,4-Bromofluorobenzene	102 96	<u>Limits</u> 65-157 49-141			Toluene-d8		99	51-144		

DF - Dilution Factor ,



Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756 Date Received: Work Order No: Preparation: Method: 01/23/04 04-01-1216 EPA 5035 EPA 8260B

Project: ExxonMobil 18-M1A

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Client Sample Number				Sample umber	Date Collected Matrix	Date Prepared	Date Analyzed	QC Bate	ch ID
T2-E-12			04-01	-1216-7	01/23/04 Solid	l 01/26/04	01/26/04	040126	5L02
Parameter	Result	RL.	DF Qual	Units	Parameter	Result	RL	DF Qual	Units
Benzene	16000	150	152	ug/kg	Tert-Butyl Alcohol (TBA	.) ND	3000	152	ug/kg
Ethylbenzene	230000	1500	1520 D	ug/kg	Diisopropyl Ether (DIPE) ND	150	152	ug/kg
Foluene	410000	7600	7590 D	ug/kg	Ethyl-t-Butyl Ether (ETE		0 150	152 J	ug/kg
/m-Xylene	1500000	15000	7590 D	ug/kg	Tert-Amyl-Methyl Ether	(TAME) 5	8 150	152 J	ug/kg
-Xvlene	530000	7600	7590 D	ug/kg	Ethanol	ND	76000	152	ug/kg
Methyl-t-Butyl Ether (MTBE)	ND	300	152	ug/kg					
Surrogates:	REC (%)	Control	Qua	<u> </u>	Surrogates:	REC (%)	Control	<u>Qual</u>	
		<u>Limits</u>			T-1 40	404	E4 444		
Dibromofluoromethane	98	65-157			Toluene-d8	104	51-144		
1,4-Bromofluorobenzene	85	49-141							
T2-W-12			04-01	-1216-8	01/23/04 Solid	01/26/04	01/26/04	040126	3L01
Parameter	Result	RL	DF Qual	<u>Units</u>	Parameter	Result	RL	DF Qual	Units
Benzene	0.46	0.56	0.557J	ug/kg	Tert-Butyl Alcohol (TBA	.) 23	11	0.557	ug/kg
Ethylbenzene	2.7	0.5	0.557	ug/kg	Diisopropyl Ether (DIPE	•	0.56	0.557	ug/kg
Foluene	1.3	0.5	0.557	ug/kg	Ethyl-t-Butyl Ether (ETB	,	0.56	0.557J	ug/kg
o/m-Xylene	8.2	1.1	0.557	ug/kg	Tert-Amyl-Methyl Ether	•	0.56	0.557	ug/kg
o-Xylene	2.5	0.5	0.557	ug/kg	Ethanol	ND	280	0.557	ug/kg
Methyl-t-Butyl Ether (MTBE)	55	1	0.557	ug/kg					5 0
Surrogates:	REC (%)	Control	Qua	ļ	Surrogates:	REC (%)	Control	Qual	
		<u>Limits</u>							
Dibromofluoromethane	100	65-157			Toluene-d8	105	51-144		
1,4-Bromofluorobenzene	99	49-141							
T3-E-12			04-01	-1216-9	01/23/04 Solid	1 01/26/04	01/26/04	040126	6L02
Parameter	Result	RL	DF Qual	Units	Parameter	Result	RL	DF Qual	Units
Benzene	770	77	77.4	ug/kg	Tert-Butyl Alcohol (TBA		1500	77.4	ug/kg
Ethylbenzene	76000	1600	1550 D	ug/kg ug/kg	Diisopropyl Ether (DIPE	,	77	77.4	ug/kg
Foluene	83000	1600	1550 D	ug/kg	Ethyl-t-Butyl Ether (ETB	,		77.4 J	ug/kg
o/m-Xylene	470000	3100	1550 D	ug/kg	Tert-Amyl-Methyl Ether	,	77	77.4	ug/kg
o-Xviene	170000	1600	1550 D	ug/kg	Ethanol	ND	39000	77.4	ug/kg
Methyl-t-Butyl Ether (MTBE)	ND	150	77.4	ug/kg		, 1 000	22230		-59
Surrogates:	REC (%)	Control	Qua	ļ	Surrogates:	REC (%)	Control	Qual	
		Limits							
Dibromofluoromethane	95	65-157			Toluene-d8	103	51-144		
1,4-Bromofluorobenzene	89	49-141							

RL - Reporting Limit

DF - Dilution Factor ,

Qual - Qualifiers

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Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756

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Client Sample Number				Sample umber	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Bate	ch ID
T3-W-12			04-01	-1216-10	01/23/04	Solid	01/26/04	01/26/04	040126	SL01
Parameter Parameter	Result	<u>RL</u>	DF Qual	<u>Units</u>	<u>Parameter</u>		Result	RL	DF Qual	<u>Units</u>
Benzene	0.63	0.61	0.605	ug/kg	Tert-Butyl Alcoho	l (TBA)	1500	1100	56.8 D	ug/kg
Ethylbenzene	110	0.61	0.605	ug/kg	Diisopropyl Ether	(DIPE)	ND	0.61	0.605	ug/kg
Toluene	0.72	0.61	0.605	ug/kg	Ethyl-t-Butyl Ethe		ND	0.61	0.605	ug/kg
o/m-Xylene	57	1	0.605	ug/kg	Tert-Amyl-Methyl	Ether (TAM	E) 0.45	0.61	0.605J	ug/kg
o-Xylene	0.96	0.61	0.605	ug/kg	Ethanol		ND	300	0.605	ug/kg
Methyl-t-Butyl Ether (MTBE)	2200	110	56.8 D	ug/kg						
Surrogates:	REC (%)	Control Limits	Qua	!	Surrogates:		REC (%)	<u>Control</u>	Qual	
Dibromofluoromethane 1,4-Bromofluorobenzene	104 98	65-157 49-141			Toluene-d8		105	51-144		
Method Blank			095-0	1-025-8,0)93 N/A	Solid	01/26/04	01/26/04	040126	¥01
Parameter	Result	RL	DF Qual	Units	Parameter		Result	RL	DF Qual	Units
Benzene	ND	1.0	1	ug/kg	Tert-Butyl Alcoho	I (TBA)	ND	20	1	ug/kg
Ethylbenzene	ND	1.0	ì	ug/kg	Diisopropyl Ether		ND	1.0	1	ug/kg
Toluene	ND	1.0	1	ug/kg	Ethyl-t-Butyl Ethe		ND	1.0	1	ug/kg
o/m-Xylene	ND	2.0	1	ug/kg	Tert-Amyl-Methyl	` ,		1.0	1	ug/kg
o-Xylene	ND	1.0	i	ug/kg	Ethanol	24,07 (17,111	ND ND	500	1	ug/kg
Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	ug/kg	Circino		(15)	000		ugnig
Surrogates:	REC (%)	Control Limits	Qua	!	Surrogates:		REC (%)	Control	<u>Qual</u>	
Dibromofluoromethane	102	65-157			Toluene-d8		98	51-144		
1,4-Bromofluorobenzene	94	49-141								
Method Blank			095-0	1-025-8,0	196 N/A	Solid	01/26/04	01/26/04	040126	L02
Parameter Parameter	Result	RL	DF Qual	<u>Units</u>	<u>Parameter</u>		Result	RL	DF Qual	<u>Units</u>
Benzene	ND	50	50	ug/kg	Tert-Butyl Alcoho	l (TBA)	ND	1000	50	ug/kg
Ethylbenzene	ND	50	50	ug/kg	Diisopropyl Ether	(DIPE)	ND	50	50	ug/kg
Toluene	ND	50	50	ug/kg	Ethyl-t-Butyl Ethe	, ,	ND	50	50	ug/kg
/m-Xylene	ND	100	50	ug/kg	Tert-Amyl-Methyl	Ether (TAM	E) ND	50	50	ug/kg
o-Xylene	ND	50	50	ug/kg	Ethanol	•	ND	25000	50	ug/kg
Methyl-t-Butyl Ether (MTBE)	ND	100	50	ug/kg						
Surrogates:	REC (%)	Control	Qual	<u>l</u>	Surrogates:		REC (%)	<u>Control</u>	Qual	
		Limits			*		00	F4 444		
Dibromofluoromethane	103	65-157			Toluene-d8		98	51-144		

RL - Reporting Limit

1,4-Bromofluorobenzene

DF - Dilution Factor

49-141



Method:

Holguin, Fahan & Associates, Inc.

143 S. Figueroa Street Ventura, CA 93001-2756 Date Received: Work Order No: Preparation: 01/23/04 04-01-1216

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Project: ExxonMobil 18-M1A

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Client Sample Number				Lab Sample Number	Date Collected Matrix	Date Prepared	Date Analyzed	QC Bate	ch ID
т/-8				04-01-1216-4	01/23/04 Solid	N/A	01/27/04	040126	L02
Parameter	Result	<u>RL</u>	DF	Qual Units	Parameter	Result	RL	DF Qual	Units
Acetone	ND	50	1	ug/kg	1,1-Dichloropropene	ND	 5.0	1	ug/kg
Benzene	ND	5.0	1	ug/kg	c-1,3-Dichloropropene	ND	5.0	1	ug/kg
Bromobenzene	ND	5.0	1	ug/kg	t-1,3-Dichloropropene	ND	5.0	1	ug/kg
Bromochloromethane	ND	5.0	1	ug/kg	Ethylbenzene	ND	5.0	1	ug/kg
Bromodichloromethane	ND	5.0	1	ug/kg	2-Hexanone	ND	50	1	ug/kg
Bromoform	ND	5.0	1	ug/kg ug/kg	Isopropylbenzene	ND	5.0	1	ug/kg
Bromomethane	ND	25	1	ug/kg ug/kg	p-Isopropyltoluene	ND	5.0	1	ug/kg
2-Butanone	ND	50	1	ug/kg ug/kg	Methylene Chloride	13	50	1 J.B	ug/kg
n-Butylbenzene	ND	5.0	1	ug/kg ug/kg	4-Methyl-2-Pentanone	ND	50	1	ug/kg
•	ND	5.0	1	ug/kg ug/kg	Naphthalene	ND	50	1	ug/kg
sec-Butylbenzene	ND	5.0	1	ug/kg ug/kg	n-Propylbenzene	ND	5.0	1	ug/kg ug/kg
tert-Butylbenzene	ND ND	5.0 50	1	ug/kg ug/kg	Styrene	ND	5.0	1	ug/kg ug/kg
Carbon Disulfide		5.0	1	ug/kg ug/kg	1,1,1,2-Tetrachloroethane	ND	5.0	1	ug/kg ug/kg
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	ug/kg ug/kg
Chlorobenzene	ND			ug/kg	Tetrachloroethene	ND	5.0 5.0	1	0 0
Chloroethane	ND	5.0	1	ug/kg		ND	5.0 5.0	1	ug/kg
Chloroform	ND	5.0	1	ug/kg	Toluene	ND ND	10	1	ug/kg
Chloromethane	ND	25	1	ug/kg	1,2,3-Trichlorobenzene		· -		ug/kg
2-Chlorotoluene	ND	5.0	1	ug/kg	1,2,4-Trichlorobenzene	ND	5.0	1	ug/kg
4-Chlorotoluene	ND	5.0	1	ug/kg	1,1,1-Trichloroethane	ND	5.0	1	ug/kg
Dibromochloromethane	ND	5.0	1	ug/kg	1,1,2-Trichloroethane	ND	5.0	1	ug/kg
1,2-Dibromo-3-Chloropropane	ND	10	1	ug/kg	Trichloroethene	ND	5.0	1	ug/kg
1,2-Dibromoethane	ND	5.0	1	ug/kg	Trichlorofluoromethane	ND	50	1	ug/kg
Dibromomethane	ND	5.0	1	ug/kg	1,2,3-Trichloropropane	ND	5.0	1	ug/kg
1,2-Dichlorobenzene	ND	5.0	1	ug/kg	1,2,4-Trimethylbenzene	ND	5.0	1	ug/kg
1,3-Dichlorobenzene	ND	5.0	1	ug/kg	1,3,5-Trimethylbenzene	ND	5.0	1	ug/kg
1,4-Dichlorobenzene	ND	5.0	1	ug/kg	Vinyl Acetate	ND	50	1	ug/kg
Dichlorodifluoromethane	ND	5.0	1	ug/kg	Vinyl Chloride	ND	5.0	1	ug/kg
1,1-Dichloroethane	ND	5.0	1	ug/kg	p/m-Xylene	ND	5.0	1	ug/kg
1,2-Dichloroethane	ND	5.0	1	ug/kg	o-Xylene	0.96	5.0		ug/kg
1,1-Dichloroethene	ND	5.0	1	ug/kg	Methyl-t-Butyl Ether (MTBE)		5.0	1	ug/kg
c-1,2-Dichloroethene	ND	5.0	1	ug/kg	Tert-Butyl Alcohol (TBA)	ND	50	1	ug/kg
t-1,2-Dichloroethene	ND	5.0	1	ug/kg	Diisopropyl Ether (DIPE)	ND	10	1	ug/kg
1,2-Dichloropropane	ND	5.0	1	ug/kg	Ethyl-t-Butyl Ether (ETBE)	ND	10	1	ug/kg
1,3-Dichloropropane	ND	5.0	1	ug/kg	Tert-Amyl-Methyl Ether (TAN		10	1	ug/kg
2,2-Dichloropropane	ND	5.0	1	ug/kg	Ethanol	ND	250	1	ug/kg
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control	Qual	
Dibromofluoromethane 1,4-Bromofluorobenzene	124 91	79-133 80-110			Toluene-d8	98	89-107		

RL - Reporting Limit ,

DF - Dilution Factor .



Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756 Date Received: Work Order No: Preparation: Method: 01/23/04 04-01-1216 EPA 5030B

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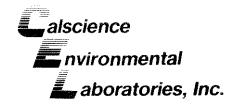
Project: ExxonMobil 18-M1A

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Client Sample Number					Sample imber	Date Collected Matrix	Date Prepared	Date Analyzed	QC	Bato	ch ID
Method Blank				099-1	0-005-7,4	I11 N/A Solid	N/A	01/27/04	04	0126	L02
Parameter	Result	RL	DF	Qual	<u>Units</u>	<u>Parameter</u>	Result	RL	DF (<u>Qual</u>	<u>Units</u>
Acetone	ND	50	1		ug/kg	1,1-Dichloropropene	ND	5.0	1		ug/kg
Benzene	ND	5.0	1		ug/kg	c-1,3-Dichloropropene	ND	5.0	1		ug/kg
Bromobenzene	ND	5.0	1		ug/kg	t-1,3-Dichloropropene	ND	5.0	1		ug/kg
Bromochloromethane	ND	5.0	1		ug/kg	Ethylbenzene	ND	5.0	1		ug/kg
Bromodichloromethane	ND	5.0	1		ug/kg	2-Hexanone	ND	50	1		ug/kg
Bromoform	ND	5.0	1		ug/kg	Isopropylbenzene	ND	5.0	1		ug/kg
Bromomethane	ND	25	1		ug/kg	p-Isopropyltoluene	ND	5.0	1		ug/kg
2-Butanone	ND	50	1		ug/kg	Methylene Chloride	17	50	1	J	ug/kg
n-Butylbenzene	ND	5.0	1		ug/kg	4-Methyl-2-Pentanone	ND	50	1		ug/kg
sec-Butylbenzene	ND	5.0	1		ug/kg	Naphthalene	ND	50	1		ug/kg
tert-Butylbenzene	ND	5.0	1		ug/kg	n-Propylbenzene	ND	5.0	1		ug/kg
Carbon Disulfide	ND	50	1		ug/kg	Styrene	ND	5.0	1		ug/kg
Carbon Tetrachloride	ND	5.0	1		ug/kg	1,1,1,2-Tetrachloroethane	ND	5.0	1		ug/kg
Chlorobenzene	ND	5.0	1		ug/kg	1,1,2,2-Tetrachloroethane	ND	5.0	1		ug/kg
Chloroethane	ND	5.0	1		ug/kg	Tetrachloroethene	ND	5.0	1		ug/kg
Chloroform	ND	5.0	1		ug/kg	Toluene	ND	5.0	1		ug/kg
Chloromethane	ND	25	1		ug/kg	1,2,3-Trichlorobenzene	ND	10	1		ug/kg
2-Chlorotoluene	ND	5.0	1		ug/kg	1,2,4-Trichlorobenzene	ND	5.0	1		ug/kg
4-Chlorotoluene	ND	5.0	1		ug/kg	1,1,1-Trichloroethane	ИD	5.0	1		ug/kg
Dibromochloromethane	ND	5.0	1		ug/kg	1,1,2-Trichloroethane	ND	5.0	1		ug/kg
1,2-Dibromo-3-Chloropropane	ND	10	1		ug/kg	Trichloroethene	ND	5.0	1		ug/kg
1,2-Dibromoethane	ND	5.0	1		ug/kg	Trichlorofluoromethane	ND	50	1		ug/kg
Dibromomethane	ND	5.0	1		ug/kg	1,2,3-Trichloropropane	ND	5.0	1		ug/kg
1.2-Dichlorobenzene	ND	5.0	1		ug/kg	1,2,4-Trimethylbenzene	ND	5.0	1		ug/kg
1,3-Dichlorobenzene	ND	5.0	1		ug/kg	1,3,5-Trimethylbenzene	ND	5.0	1		ug/kg
1.4-Dichlorobenzene	ND	5.0	1		ug/kg	Vinyl Acetate	ND	50	1		ug/kg
Dichlorodifluoromethane	ND	5.0	1		ug/kg	Vinyl Chloride	ND	5.0	1		ug/kg
1.1-Dichloroethane	ND	5.0	1		ug/kg	p/m-Xylene	ND	5.0	1		ug/kg
1,2-Dichloroethane	ND	5.0	1		ug/kg	o-Xylene	1.2	5.0	1	J	ug/kg
1.1-Dichloroethene	ND	5.0	1		ug/kg	Methyl-t-Butyl Ether (MTBE)	ND	5.0	1		ug/kg
c-1.2-Dichloroethene	ND	5.0	1		ug/kg	Tert-Butyl Alcohol (TBA)	ND	50	1		ug/kg
t-1,2-Dichloroethene	ND	5.0	1		ug/kg	Diisopropyl Ether (DIPE)	ND	10	1		ug/kg
1,2-Dichloropropane	ND	5.0	1		ug/kg	Ethyl-t-Butyl Ether (ETBE)	ND	10	1		ug/kg
1,3-Dichloropropane	ND	5.0	1		ug/kg	Tert-Amyl-Methyl Ether (TAM	E) ND	10	1		ug/kg
2,2-Dichloropropane	ND	5.0	1		ug/kg	Ethanol	ND	250	1		ug/kg
Surrogates:	REC (%)	Control Limits		Qual		Surrogates:	REC (%)	Control	<u>(</u>	Qual	
Dibromofluoromethane 1,4-Bromofluorobenzene	117 91	79-133 80-110				Toluene-d8	97	89-107			

RL - Reporting Limit

DF - Dilution Factor ,



Holguin, Fahan & Associates, Inc.

143 S. Figueroa Street Ventura, CA 93001-2756 Date Received:

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01/23/04

04-01-1216

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DHS LUFT

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Client Sample Number			Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
76			04-01-1216-4	01/23/04	Solid	01/26/04	01/27/04	040126B06
Parameter	Result	<u>RL</u>	<u>DF</u>	Qual	<u>Units</u>			
TPH as Motor Oil	ND	25	1		mg/kg			
Surrogates:	REC (%)	Control		<u>Qual</u>				
Decachlorobiphenyl	88	<u>Limits</u> 45-149						

Method Blank			098-03-015-295	N/A	Solid	01/26/04	01/27/04	040126B06
<u>Parameter</u>	Result	<u>RL</u>	<u>DF</u>	Qual	<u>Units</u>			
TPH as Motor Oil	ND	25	1		mg/kg			
Surrogates:	REC (%)	Control Limits		Qual				
Decachlorobiphenyl	94	45-149						

RL - Reporting Limit

DF - Dilution Factor ,



Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756

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Project:

Quality Control Sample ID	Matrix			Date Analyzed	LCS/LCSD Bato Number	ch
099-12-009-2,822	Solia	GC 22	01/22/04	01/22/04	040122802	
Parameter	LCS %RI	EC LCSD	<u>%REC</u>	EC CL RPE	RPD CL	Qualifiers
TPH as Gasoline	98	96	76	0-130 3	0-25	





aboratories, Inc.

Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756

Date Received: Work Order No: Preparation: Method:

N/A 04-01-1216 EPA 5035 **DHS LUFT**

Project:

Quality Control Sample ID	Matrix			Date Analyzed	LCS/LCSD B Number	latch
099-12-009-2,827	Solid	GC 22	01/24/04	01/25/04	040124B0	3
Parameter	LCS %F	REC LCSD	%REC %R	REC CL F	RPD RPD CL	Qualifiers
TPH as Gasoline	88	90	7	0-130	2 0-25	





Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756 Date Received: Work Order No: Preparation: Method: N/A 04-01-1216 EPA 5035 EPA 8260B

Project:

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed		LCS/LCSD Bato Number	h
095-01-025-8,093	Solid	GC/MS Q	N/A	01/26/04		040126L01	
<u>Parameter</u>	LCS %RE	C LCSD %	REC %R	EC CL F	RPD	RPD CL	Qualifiers
Benzene	90	90	76	5-124	0	0-15	
Carbon Tetrachloride	80	82	66	6-137	2	0-16	
Chlorobenzene	87	87	72	2-129	0	0-21	
1,2-Dichlorobenzene	87	87	79	9-121	0	0-20	
1,1-Dichloroethene	94	95	59	9-131	1	0-14	
Toluene	90	89	72	2-130	1	0-16	
Trichloroethene	90	90	69	9-130	1	0-18	
Vinyl Chloride	90	91	5 ⁻	1-136	1	0-21	
Methyl-t-Butyl Ether (MTBE)	97	98	69	9-149	1	0-17	
Tert-Butyl Alcohol (TBA)	99	102	49	9-145	3	0-25	
Diisopropyl Ether (DIPE)	93	94	73	3-133	0	0-25	
Ethyl-t-Butyl Ether (ETBE)	97	97	73	3-132	0	0-25	
Tert-Amyl-Methyl Ether (TAME)	96	97	82	2-120	1	0-25	
Ethanol	90	92	70)-130	2	0-30	



Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756 Date Received: Work Order No: Preparation: Method: N/A 04-01-1216 EPA 5035 EPA 8260B

Project: ExxonMobil 18-M1A

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Bate Number	ch
095-01-025-8,096	Solid	GC/MS Q	N/A	01/26/04	040126L02	
Parameter	LCS %RE	C LCSD %	REC %REC	CL RPD	RPD CL	Qualifiers
Benzene	90	90	76-1	124 0	0-15	
Carbon Tetrachloride	80	82	66-1	137 2	0-16	
Chlorobenzene	87	87	72-1	129 0	0-21	
1,2-Dichlorobenzene	87	87	79-1	21 0	0-20	
1,1-Dichloroethene	94	95	59-1	31 1	0-14	
Toluene	90	89	72-1	30 1	0-16	
Trichloroethene	90	90	69-1	30 1	0-18	
Vinyl Chloride	90	91	51-1	36 1	0-21	
Methyl-t-Butyl Ether (MTBE)	97	98	69-1	149 1	0-17	
Tert-Butyl Alcohol (TBA)	99	102	49-1	45 3	0-25	
Diisopropyl Ether (DIPE)	93	94	73-1	33 0	0-25	
Ethyl-t-Butyl Ether (ETBE)	97	97	73-1	32 0	0-25	
Tert-Amyl-Methyl Ether (TAME)	96	97	82-1	20 1	0-25	
Ethanol	90	92	70-1	30 2	0-30	



Quality Control - Spike/Spike Duplicate

Holguin, Fahan & Associates, Inc.

143 S. Figueroa Street

Ventura, CA 93001-2756

Date Received:

Work Order No:

Preparation:

Method:

01/23/04

04-01-1216

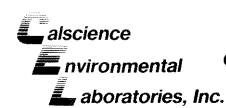
EPA 5030B

EPA 8260B

Project: ExxonMobil 18-M1A

Quality Control Sample ID	Matrix	Instrument	Date Prepared		Date Analyzed	MS/MSD Batch Number	
04-01-1049-15	Solid	GC/MS/Z	N/A		01/27/04	040126802	
<u>Parameter</u>	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers	
Benzene	101	100	77-119	1	0-17		
Carbon Tetrachloride	113	114	61-139	1	0-21		
Chlorobenzene	99	99	75-117	0	0-17		
1,2-Dichlorobenzene	90	91	69-117	1	0-21		
1,1-Dichloroethene	114	114	68-140	0	0-18		
Toluene	105	104	76-118	1	0-18		
Trichloroethene	110	110	49-145	0	0-21		
Vinyl Chloride	105	104	62-134	1	0-20		
Methyl-t-Butyl Ether (MTBE)	103	104	68-122	1	0-27		
Tert-Butyl Alcohol (TBA)	105	105	59-131	1	0-32		
Diisopropyl Ether (DIPE)	99	101	53-137	2	0-27		
Ethyl-t-Butyl Ether (ETBE)	101	104	59-131	3	0-25		
Tert-Amyl-Methyl Ether (TAME)	103	103	70-124	0	0-18		
Ethanol	98	94	52-130	4	0-29		





Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street

Ventura, CA 93001-2756

Date Received: Work Order No: Preparation: Method:

N/A 04-01-1216 EPA 5030B EPA 8260B

Project:

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	_	CS/LCSD Bato	ħ
099-10-005-7,411	Solid	GC/MS Z	N/A	01/27/04		040126L02	
<u>Parameter</u>	LCS %RE	C LCSD %	REC %RI	EC CL F	<u>RPD</u>	RPD CL	Qualifiers
Benzene	98	96	83	3-119	2	0-11	
Carbon Tetrachloride	107	108	69) -141	1	0-13	
Chlorobenzene	98	96	86	S-116	1	8-0	
1,2-Dichlorobenzene	92	91	85	5-115	0	0-10	
1,1-Dichloroethene	108	108	82	2-130	0	0-15	
Toluene	101	100	81	-117	1	0-10	
Trichloroethene	103	105	72	2-120	2	0-10	
Vinyl Chloride	99	98	77	'-125	1	0-12	
Methyi-t-Butyl Ether (MTBE)	95	99	75	5-123	3	0-11	
Tert-Butyl Alcohol (TBA)	97	102	72	2-120	5	0-14	
Diisopropyl Ether (DIPE)	96	97	69	-129	2	0-16	
Ethyl-t-Butyl Ether (ETBE)	99	101	71	-131	2	0-27	
Tert-Amyl-Methyl Ether (TAME)	100	101	80)-122	2	0-13	
Ethanol	92	98	58	3-124	7	0-24	



Quality Control - Spike/Spike Duplicate

Holguin, Fahan & Associates, Inc.

143 S. Figueroa Street

Ventura, CA 93001-2756

Date Received:

Work Order No:

Preparation:

Method:

01/23/04

04-01-1216

EPA 3550B

DHS LUFT

Project: ExxonMobil 18-M1A

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
т1-8	Solid	GC 15	01/26/04	01/27/04	040126S06
Parameter	MS %REC	MSD %REC	%REC CL	RPD RPI	OCL Qualifiers
TPH as Motor Oil	89	88	49-139	1 0-	28





Quality Control - Laboratory Control Sample

aboratories, Inc.

Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756 Date Received: Work Order No: Preparation: Method: N/A 04-01-1216 EPA 3550B DHS LUFT

Project:

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS E	Batch Number
098-03-015-295	Solid	GC 15	01/27/04	016F1601	0.	10126B06
Parameter	<u>c</u>	Conc Added (Conc Recovered	%Rec	%Rec CL	Qualifiers
TPH as Motor Oil		400	350	87	65-124	



Glossary of Terms and Qualifiers

Work Order Number: 04-01-1216

Qualifier	<u>Definition</u>
2	Surrogate spike compound was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
В	Analyte was present in the associated method blank.
D	The sample data was reported from a diluted analysis.
I	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.
J	Analyte was detected at a concentration below the reporting limit. Reported value is estimated.
ND	Not detected at indicated reporting limit.



WORK ORDER #:

04-01-1216

Cooler ____ of ____

SAMPLE RECEIPT FORM

CLIENT: HEA	DATE: 1-23-04		
TEMPERATURE – SAMPLES RECEIVED BY:			
CALSCIENCE COURIER: Chilled, cooler with temperature blank provided. Chilled, cooler without temperature blank. Chilled and placed in cooler with wet ice. Ambient and placed in cooler with wet ice. Ambient temperature. C Temperature blank.	LABORATORY (Other than Calscience Courier): °C Temperature blank. _ °C IR thermometer. Ambient temperature.		
CUSTODY SEAL INTACT: Sample(s): Cooler: No (Not Intact)	: Not Applicable (N/A): Initial:		
SAMPLE CONDITION: Chain-Of-Custody document(s) received with samples			
COMMENTS: LA NO SAMPLES PECENTED FOR Jars for sample # 10 were lab it should be T3-W-12 - plum yer to for converte	eled t3-W-04, per chain		

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC. Sample Summary Report

WORK ORDER #:

04-01-1216

QAPP:

0120

#	Client Sample ID	Matrix	Date Collected	NoC	Comment
1	D1-5	s	01/23/2004	1	
2	D2-5	S	01/23/2004	1	
3	D3-5	s	01/23/2004	1	
4	T1-8	S	01/23/2004	1	
5	T1-W-12	s	01/23/2004	1	scanulled: no
6	T2-E-12	s	01/23/2004	1	can alled: no / containes vocine
7	T2-E-12	S	01/23/2004	1	
8	T2-W-12	S	01/23/2004	1	
9	T3-E-12	s	01/23/2004	1	
10	T3-W-12	S	01/23/2004	1	

0

Calscience Environmental Laboratories, Inc.

Facsimile Transmission Lead Sheet

Lead plus 2 sheets

From:

Name of Sender:

Cecile de Gula 1/21/04

To:

Company:

HFA

Attn.:

James Anderson

Fax Number:

805-852-0793

Message:

Attached is the other COC for 18-M1A.

CEL#04-01-1216

Please cross off samples on, ine 5 and 6. No samples received. Sample T3-W-12 on COC was labeled T3-W-04 on the sample.

Please fax revised COC ASAP.

Thank you.

This is couch, south was incurred

Please advise us immediately if you have difficulty receiving this transmission or fail to receive all pages.

Privacy Notice: This communication is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential, or exempt from disclosure under applicable Federal or State law. If the reader of this message is not the intended recipient or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited.

7440 Lincoln Way, Garden Grove, CA 92841-1432 * TEL: (714) 895-5494 * FAX: (714) 894-7501

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To seeist us in caleg the proper amplifical methods, is this work being conducted for regulatory purposes? Congularios Monitoring		Manage War	POF	GC Behverbles		- October 1		2	•	•	\$	3 [8	P -	Consequence of the second seco		il America: Y N	
it us in using the proper error work being conducted for re- Compliance Monitoring Co. /m A	ALMIA	T. P.Z.													LABORATORY COR	7	Custody State: Y Bottles Supplied by Tex	Method of Shipment:
To seek us in using the is from the way to cond. Compliance More	Project #:	1314	Ques.	S	x d	13/h			٦,	X X	600					-141 10-11-1	(22/c4/mm/2860)	Terrain
		20743	S	[X] E05	19-5 11 di	0 9988 5108			۶ ۲	5	X -	1 1 1 1 1 1 1 1	人。 42	Z V		/17	7	Ome:
Phora: 646-726-50137 Fed: 616-726-3404 Clent#.	2160	FIE \$0\$652.0743	evelon & & of Confeden			120°C1	Z.	<	₹ §	2	2					Same Alex	By 100	Recalved By:
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	Chy/State/Zip Code: Project Marager:	Telephone Munice: Sample: Mano: (Phint Name)	Senight Signature	Standard Resh (surchespee may apply)		<u>.</u>	. 5-10	Da-5	15-3			3-5-17	シーシーグ	3-W-12		-	Marked.	9.
				TAT Standard - Rush (su	Date Needled	G FLANT	2						1	4.4				Refinquence By.

		(T.												7	Μ	2	(Q	ſ.	<i>જ</i>)	0	- 0 -					02
To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes? Compliance Monitoring			State: On Bush (er er er er ett er	PO		QC Deliverables	/ / Level 2	(Betch QC)	Level 4	Other:	REMARKS					O. NO SAMPLES	REEIVED	3	12/11			OMMENTS: p:	し, し,) 2	Bottles Supplied by Test America: Y N	ent:
To assist us in using the proper analytical methods, is this work being conducted for regulatory purpod Compliance Monitoring	18-m1A		1-WIA	F. F.	RA			The state of the s										ANCELLE			W 177-7-1-1-1-1-1			LABORATORY COMMENTS:	Rec Lab Temp:	Custody Seels	Bottles Supplied	Method of Shipment:
To assist us is this work t	Project Name:	Project #:	Site/Location ID: (6	Report To. 4	Invoice To:	Quote #:	Analyze For.		650	TJ PO	1 6	187 500 500 500 500 500 500 500 500 500 50	J-5				X							Holog	3	Date: 13-04 Time (6 3	V VIIme.18GD	Time
9/11	Proje	OF THE PERSON OF	Site/Lo	00.	U .	i.		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	₹0 } }	- 5-19X	180)))9E	S S		Q		X —						ÿ	exed m		Date: 13-0	Date /23/~	Date:
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Phone: 645 <u>-726-0177</u> Fax: 615-726-3404	dienekkom randakkom opensyllöpkodinnillessölvkerkkom sa	н дунавия предвадення предвадення предвадення предвадення предвадення предвадення предвадення предвадення пред	THE PROPERTY OF THE PROPERTY O	×. 805-652	asir menanental de direction de la constitución de la constitución de la constitución de la constitución de la	EDILIFFERENCE CONTROL	วก & # of Containers			7) 1000	TOTAL SECURITY OF	, cons	Mone Meth DS ² H	Q		R	ጸ	8						Same and a second	(W Z	By:
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Test America	Address	City/State/Zip Code:	7	Telephone Number	Sampler Name: (Print Name)	Sampler Signature.		TAT Standard	Rush (surcharges may apply)	Dabes No State Control of the Contro	- Contract of the contract of	\subseteq	SAMPLEID	01-5	S-eq	03-5	8-1		1 - S - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	-61-3-61 M	43-W-13	Ť3-E-12	T3-W-12	Special Instructions: Please		Rehmushle Bol	Reinquished By Line	Relinquished By:
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January 29, 2004

James Anderson Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756

Subject:

Calscience Work Order No.: 04-01-1217

Client Reference:

ExxonMobil 18-M1A

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 1/23/2004 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental

Laboratories, Inc.

Don Burley

Project Manager

Michael J. Crisostomo Quality Assurance Manager

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL: (714) 895-5494 • FAX: (714) 894-7501



Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street

Ventura, CA 93001-2756

Date Received:

01/23/04

Work Order No:

04-01-1217

Preparation:

EPA 5030B

Method:

DHS LUFT/EPA 8021B

Project: ExxonMobil 18-M1A

Page 1 of 1

Toject. Exxonivious	10 191 17 (rage i oi i
lient Sample Number			Lab Sample Number	Date Collected Matrix	Date Prepared	Date Analyzed	QC Batch ID
SP-1			04-01-1217-1	01/23/04 Solid	N/A	01/26/04	040126B01
arameter	<u>Result</u>	<u>RL</u> <u>DF</u>	Qual Units	Parameter	Result	<u>RL</u>	DF Qual Units
enzene	ND	0.0050		Xylenes (total)	ND	0.0050	1 mg/kg
oluene	ND		1 mg/kg	Methyl-t-Butyl Ether (MTBE)	ND	0.025	1 mg/kg
thylbenzene	ND	0.0050	1 mg/kg	TPH as Gasofine	ND	0.50	1 mg/kg
urrogates:	REC (%)	Control	Qual	Surrogates:	REC (%)	<u>Control</u>	Qual
,4-Bromofluorobenzene	79	<u>Limits</u> 46-130		1,4-Bromofluorobenzene - FII	O 99	21-159	
SP-2			04-01-1217-2	01/23/04 Solid	N/A	01/26/04	040126B01
arameter	Result	RL DF	Qual Units	Parameter	Result	RL	DF Qual Units
enzene	ND	0.0050	1 mg/kg	Xylenes (total)	ND	0.0050	1 mg/kg
oluene	ND	0.0050	1 mg/kg	Methyl-t-Butyl Ether (MTBE)	0.0025	0.025	1 J mg/kg
thylbenzene	ND	0.0050	1 mg/kg	TPH as Gasoline	ND	0.50	1 mg/kg
urrogates:	REC (%)	Control	Qual	Surrogates:	REC (%)	Control	Qual
,4-Bromofluorobenzene	72	<u>Limits</u> 46-130		1,4-Bromofluorobenzene - FII	O 90	21-159	
Method Blank			098-01-002-3,9	107 N/A Solid	N/A	01/26/04	040126B01
'arameter	Result	RL DF	Qual Units	<u>Parameter</u>	Result	RL	DF Qual Units
enzene	ND	0.0050		Xylenes (total)	ND	0.0050	1 mg/kg
oluene	ND	0.0050	1 mg/kg	Methyl-t-Butyl Ether (MTBE)	ND	0.025	1 mg/kg
thylbenzene	ND	0.0050	1 mg/kg	TPH as Gasoline	ND	0.50	1 mg/kg
urrogates:	REC (%)	Control	Qual	Surrogates:	REC (%)	Control	<u>Qual</u>
.4-Bromofluorobenzene	82	<u>Limits</u> 46-130		1,4-Bromofluorobenzene - FII	0 102	21-159	

RL - Reporting Limit

DF - Dilution Factor ,

Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL: (714) 895-5494 • FAX: (714) 894-7501



Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street

Ventura, CA 93001-2756

Date Received:

Work Order No:

Preparation: Method:

01/23/04

04-01-1217

EPA 5030B

EPA 8021B

Project: ExxonMobil 18-M1A

Page 1 of 1

Client Sample Number				Lab Sa Num	ample nber	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Bat	ch ID
SP-3				04-01-1	217-3	01/23/04	Solid	N/A	01/26/04	04012	6B01
<u>Parameter</u>	Result	RL	<u>DF</u>	Qual I	Units	Parameter		Result	RL	DF Qual	<u>Units</u>
Benzene	ND	0.0050	1	m	ng/kg	Xylenes (total)		ND	0.0050	1	mg/kg
Toluene	ND	0.0050	1	m	ig/kg	Methyl-t-Butyl E	ther (MTBE)	ND	0.025	1	mg/kg
Ethylbenzene	ND	0.0050	1	m	ig/kg						
Surrogates:	REC (%)	Control Limits		Qual							
1,4-Bromofluorobenzene	68	46-130									

Method Blank			í	98-01-002-3,	907 N/A Solid	N/A	01/26/04	04012	5B01
<u>Parameter</u> Benzene Toluene Ethylbenzene	Result ND ND ND	RL 0.0050 0.0050 0.0050	DF 9 1 1 1	Qual Units mg/kg mg/kg mg/kg	Parameter Xylenes (total) Methyl-t-Butyl Ether (MTBE)	<u>Result</u> ND ND	<u>RL</u> 0.0050 0.025	DF Qual 1 1	<u>Units</u> mg/kg mg/kg
Surrogates: 1,4-Bromofluorobenzene	REC (%) 82	Control Limits 46-130		Qual					

RL - Reporting Limit

DF - Dilution Factor ,

Qual - Qualifiers

Lalscience nvironmental aboratories, Inc.

Analytical Report

Holguin, Fahan & Associates, Inc.

143 S. Figueroa Street Ventura, CA 93001-2756 Date Received: Work Order No:

01/23/04 04-01-1217

Preparation: Method:

Extraction EPA 418.1M

Project: ExxonMobil 18-M1A

Page 1 of 1

Project: Exxonivious	I IO-IVI IA							raye i ui i
Client Sample Number			Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SP-3			04-01-1217-3	01/23/04	Solid	01/28/04	01/28/04	040128L05
Parameter	Result	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>			
TRPH	28	10	1		mg/kg			
CE4-5			04-01-1217-4	01/23/04	Solid	01/28/04	01/28/04	040128L05
<u>Parameter</u>	Result	RL	DF	<u>Qual</u>	<u>Units</u>			
TRPH	5.1	10.0	1	J	mg/kg			
HL-1-7			04-01-1217-5	01/23/04	Solid	01/28/04	01/28/04	040128L05
Parameter	Result	RL	<u>DF</u>	Qual	<u>Units</u>			
TRPH	78	10	1		mg/kg			
HL-2-7			04-01-1217-6	01/23/04	Solid	01/28/04	01/28/04	040128L05
<u>Parameter</u>	Result	<u>RL</u>	DF	Qual	<u>Units</u>			
TRPH	6.5	10.0	1	J	mg/kg			
Method Blank			099-07-015-571	N/A	Solid	01/28/04	01/28/04	040128L05
Parameter	Result	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>			
TRPH	ND	10	1		mg/kg			



Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756 Date Received: Work Order No: Preparation: Method: 01/23/04

04-01-1217 EPA 5030B

EPA 8260B

Page 1 of 5

Project: ExxonMobil 18-M1A

Client Sample Number				Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Bat	ich ID
CL-1-5				04-01-1217-	01/23/04	Solid	N/A	01/24/04	04012	4L01
Parameter	Result	RL	DF	Qual Units	Parameter		Result	RL	DF Qual	Units
Acetone	ND	50		ug/kg	1,1-Dichloropro	opene	ND	5.0	1	ug/kg
Benzene	ND	5.0	1	ug/kg	c-1,3-Dichlorop		ND	5.0	1	ug/kg
Bromobenzene	ND	5.0	1	ug/kg	t-1.3-Dichlorop		ND	5.0	1	ug/kg
Bromochloromethane	ND	5.0	1	ug/kg	Ethylbenzene		ND	5.0	1	ug/kg
Bromodichloromethane	ND	5.0	1	ug/kg	2-Hexanone		ND	50	1	ug/kg
Bromoform	ND	5.0	1	ug/kg	Isopropylbenze	ene	ND	5.0	1	ug/kg
Bromomethane	ND	25	1	ug/kg	p-isopropyltolu		ND	5.0	1	ug/kg
2-Butanone	ND	50	1	ug/kg	Methylene Chl		12	50	1 J.B	
n-Butylbenzene	ND	5.0	1	ug/kg	4-Methyl-2-Per		ND	50	1	ug/kg
sec-Butylbenzene	ND	5.0	1	ug/kg	Naphthalene		ND	50	1	ug/kg
tert-Butylbenzene	ND	5.0	1	ug/kg	n-Propylbenzer	ne	ND	5.0	1	ug/kg
Carbon Disulfide	ND	50	1	ug/kg	Styrené		ND	5.0	1	ug/kg
Carbon Tetrachloride	ND	5.0	1	ug/kg	1,1,1,2-Tetrach	nloroethane	ND	5.0	1	ug/kg
Chlorobenzene	ND	5.0	1	ug/kg	1,1,2,2-Tetrach	nloroethane	ND	5.0	1	ug/kg
Chloroethane	ND	5.0	1	ug/kg	Tetrachloroeth		ND	5.0	1	ug/kg
Chloroform	ND	5.0	1	ug/kg	Toluene		ND	5.0	1	ug/kg
Chloromethane	ND	25	1	ug/kg	1,2,3-Trichloro	benzene	ND	10	1	ug/kg
2-Chiorotoluene	ND	5.0	1	ug/kg	1,2,4-Trichloro	benzene	ND	5.0	1	ug/kg
4-Chlorotoluene	ND	5.0	1	ug/kg	1,1,1-Trichloro	ethane	ND	5.0	1	ug/kg
Dibromochloromethane	ND	5.0	1	ug/kg	1,1,2-Trichloro		ND	5.0	1	ug/kg
1,2-Dibromo-3-Chloropropane	ND	10	1	ug/kg	Trichloroethen	e	ND	5.0	1	ug/kg
1.2-Dibromoethane	ND	5.0	1	ug/kg	Trichlorofluoro	methane	ND	50	1	ug/kg
Dibromomethane	ND	5.0	1	ug/kg	1,2,3-Trichloro	propane	ND	5.0	1	ug/kg
1,2-Dichlorobenzene	ND	5.0	1	ug/kg	1,2,4-Trimethy	, ,	ND	5.0	1	ug/kg
1,3-Dichlorobenzene	ND	5.0	1	ug/kg	1,3,5-Trimethy	lbenzene	ND	5.0	1	ug/kg
1.4-Dichlorobenzene	ND	5.0	1	ug/kg	Vinyl Acetate		ND	50	1	ug/kg
Dichlorodifluoromethane	ND	5.0	1	ug/kg	Vinyl Chloride		ND	5.0	1	ug/kg
1.1-Dichloroethane	ND	5.0	1	ug/kg	p/m-Xylene		ND	5.0	1	ug/kg
1,2-Dichloroethane	ND	5.0	1	ug/kg	o-Xylene		1.1	5.0	1 J,B	ug/kg
1.1-Dichloroethene	ND	5.0	1	ug/kg	Methyl-t-Butyl I	Ether (MTBE)	ND	5.0	1	ug/kg
c-1,2-Dichloroethene	ND	5.0	1	ug/kg	Tert-Butyl Alco	hol (TBA)	ND	50	1	ug/kg
t-1,2-Dichloroethene	ND	5.0	1	ug/kg	Diisopropyl Eth		ND	10	1	ug/kg
1,2-Dichloropropane	ND	5.0	1	ug/kg	Ethyl-t-Butyl Et	her (ETBE)	ND	10	1	ug/kg
1,3-Dichloropropane	ND	5.0	1	ug/kg	Tert-Amyl-Metl		E) ND	10	1	ug/kg
2,2-Dichloropropane	ND	5.0	1	ug/kg	Ethanol	,	ND	250	1	ug/kg
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:		REC (%)	Control	Qual	!
Dibromofluoromethane	87	79-133			Toluene-d8		95	89-107		
1,4-Bromofluorobenzene	90	80-110								

RL - Reporting Limit ,

DF - Dilution Factor ,

Qual - Qualifiers



Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756 Date Received: Work Order No: Preparation: Method:

04-01-1217 EPA 5030B

01/23/04

EPA 8260B

Project: ExxonMobil 18-M1A

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Client Sample Number				Lab Sample Number	Date Collected Matrix	Date Prepared	Date Analyzed	QC Bate	ch ID
HL-1-7				04-01-1217-5	01/23/04 Solid	N/A	01/27/04	040127	L01
Parameter	Result	<u>RL</u>	DF	Qual Units	<u>Parameter</u>	Result	<u>RL</u>	DF Qual	<u>Units</u>
Acetone	ND	50	1	ug/kg	1,1-Dichloropropene	ND	5.0	1	ug/kg
Benzene	ND	5.0	1	ug/kg	c-1,3-Dichloropropene	ND	5.0	1	ug/kg
Bromobenzene	ND	5.0	1	ug/kg	t-1,3-Dichloropropene	ND	5.0	1	ug/kg
Bromochloromethane	ND	5.0	1	ug/kg	Ethylbenzene	ND	5.0	1	ug/kg
Bromodichloromethane	ND	5.0	1	ug/kg	2-Hexanone	ND	50	1	ug/kg
Bromoform	ND	5.0	1	ug/kg	Isopropylbenzene	ND	5.0	1	ug/kg
Bromomethane	ND	25	1	ug/kg	p-Isopropyltoluene	ND	5.0	1	ug/kg
2-Butanone	ND	50	1	ug/kg	Methylene Chloride	17	50	1 J,B	ug/kg
n-Butylbenzene	ND	5.0	1	ug/kg	4-Methyl-2-Pentanone	ND	50	1	ug/kg
sec-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	ug/kg
tert-Butylbenzene	ND	5.0	1	ug/kg	n-Propylbenzene	ND	5.0	1	ug/kg
Carbon Disulfide	ND	50	1	ug/kg	Styrene	ND	5.0	1	ug/kg
Carbon Tetrachloride	ND	5.0	1	ug/kg	1,1,1,2-Tetrachloroethane	ND	5.0	1	ug/kg
Chlorobenzene	ND	5.0	1	ug/kg	1,1,2,2-Tetrachloroethane	ND	5.0	1	ug/kg
Chloroethane	ND	5.0	1	ug/kg	Tetrachloroethene	ND	5.0	1	ug/kg
Chloroform	ND	5.0	1	ug/kg	Toluene	ND	5.0	1	ug/kg
Chloromethane	ND	25	1	ug/kg	1,2,3-Trichlorobenzene	ND	10	1	ug/kg
2-Chlorotoluene	ND	5.0	1	ug/kg	1,2,4-Trichlorobenzene	ND	5.0	1	ug/kg
4-Chlorotoluene	ND	5.0	1	ug/kg	1,1,1-Trichloroethane	ND	5.0	1	ug/kg
Dibromochloromethane	ND	5.0	1	ug/kg	1,1,2-Trichloroethane	ND	5.0	1	ug/kg
1,2-Dibromo-3-Chloropropane	ND	10	1	ug/kg	Trichloroethene	ND	5.0	1	ug/kg
1,2-Dibromoethane	ND	5.0	1	ug/kg	Trichlorofluoromethane	ND	50	1	ug/kg
Dibromomethane	ND	5.0	1	ug/kg	1,2,3-Trichloropropane	ND	5.0	1	ug/kg
1,2-Dichlorobenzene	ND	5.0	1	ug/kg	1,2,4-Trimethylbenzene	ND	5.0	1	ug/kg
1,3-Dichlorobenzene	ND	5.0	1	ug/kg	1,3,5-Trimethylbenzene	ND	5.0	1	ug/kg
1,4-Dichlorobenzene	ND	5.0	1	ug/kg	Vinyl Acetate	ND	50	1	ug/kg
Dichlorodifluoromethane	ND	5.0	1	ug/kg	Vinyl Chloride	ND	5.0	1	ug/kg
1,1-Dichloroethane	ND	5.0	1	ug/kg	p/m-Xylene	ND	5.0	1 、	ug/kg
1,2-Dichloroethane	ND	5.0	1	ug/kg	o-Xylene	1.3	5.0	1 J,B	ug/kg
1,1-Dichloroethene	ND	5.0	1	ug/kg	Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	ug/kg
c-1,2-Dichloroethene	ND	5.0	1	ug/kg	Tert-Butyl Alcohol (TBA)	ND	50	1	ug/kg
t-1,2-Dichloroethene	ND	5.0	1	ug/kg	Diisopropyl Ether (DIPE)	ND	10	1	ug/kg
1,2-Dichloropropane	ND	5.0	1	ug/kg	Ethyl-t-Butyl Ether (ETBE)	ND	10	1	ug/kg
1,3-Dichloropropane	ND	5.0	1	ug/kg	Tert-Amyl-Methyl Ether (TAM	E) ND	10	1	ug/kg
2,2-Dichloropropane	ND	5.0	1	ug/kg	Ethanol	ND	250	1	ug/kg
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control	Qual	
Dibromofluoromethane	92	79-133			Toluene-d8	100	89-107		
1,4-Bromofluorobenzene	91	80-110							



Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756 Date Received: Work Order No: Preparation: Method:

04-01-1217 EPA 5030B

01/23/04

EPA 8260B

Project: ExxonMobil 18-M1A

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Client Sample Number				Lab Sample Number	Date Collected Matrix	Date K Prepared	Date I Analyzed	QC Bat	tch ID
HL-2-7				04-01-1217-6	01/23/04 Solid	I N/A	01/24/04	04012	4L01
Parameter	Result	<u>RL</u>	<u>DF</u>	Qual Units	Parameter	Result	RL	DF Qual	<u>Units</u>
Acetone	ND	50	1	ug/kg	1,1-Dichloropropene	ND	5.0	1	ug/kg
Benzene	ND	5.0	1	ug/kg	c-1,3-Dichloropropene	ND	5.0	1	ug/kg
Bromobenzene	ND	5.0	1	ug/kg	t-1,3-Dichloropropene	ND	5.0	1	ug/kg
Bromochloromethane	ND	5.0	1	ug/kg	Ethylbenzene	ND	5.0	1	ug/kg
Bromodichloromethane	ND	5.0	1	ug/kg	2-Hexanone	ND	50	1	ug/kg
Bromoform	ND	5.0	1	ug/kg	Isopropylbenzene	ND	5.0	1	ug/kg
Bromomethane	ND	25	1	ug/kg	p-Isopropyltoluene	ND	5.0	1	ug/kg
2-Butanone	ND	50	1	ug/kg	Methylene Chloride	12	50	1 J,B	ug/kg
n-Butylbenzene	ND	5.0	1	ug/kg	4-Methyl-2-Pentanone	ND	50	1	ug/kg
sec-Butylbenzene	ND	5.0	1	ug/kg	Naphthalene	ND	50	1	ug/kg
tert-Butylbenzene	ND	5.0	1	ug/kg	n-Propylbenzene	ND	5.0	1	ug/kg
Carbon Disulfide	ND	50	1	ug/kg	Styrene	ND	5.0	1	ug/kg
Carbon Tetrachloride	ND	5.0	1	ug/kg	1,1,1,2-Tetrachloroetha		5.0	1	ug/kg
Chlorobenzene	ND	5.0	1	ug/kg	1,1,2,2-Tetrachloroetha	ne ND	5.0	1	ug/kg
Chloroethane	ND	5.0	1	ug/kg	Tetrachloroethene	ND	5.0	1	ug/kg
Chloroform	ND	5.0	1	ug/kg	Toluene	ND	5.0	1	ug/kg
Chloromethane	ND	25	1	ug/kg	1,2,3-Trichlorobenzene	ND	10	1	ug/kg
2-Chlorotoluene	ND	5.0	1	ug/kg	1,2,4-Trichlorobenzene	ND	5.0	1	ug/kg
4-Chlorotoluene	ND	5.0	1	ug/kg	1,1,1-Trichloroethane	ND	5.0	1	ug/kg
Dibromochloromethane	ND	5.0	1	ug/kg	1,1,2-Trichloroethane	ND	5.0	1	ug/kg
1,2-Dibromo-3-Chloropropane	ND	10	1	ug/kg	Trichloroethene	ND	5.0	1	ug/kg
1,2-Dibromoethane	ND	5.0	1	ug/kg	Trichlorofluoromethane	ND	50	1	ug/kg
Dibromomethane	ND	5.0	1	ug/kg	1,2,3-Trichloropropane	ND	5.0	1	ug/kg
1,2-Dichlorobenzene	ND	5.0	1	ug/kg	1,2,4-Trimethylbenzene	ND	5.0	1	ug/kg
1,3-Dichlorobenzene	ND	5.0	1	ug/kg	1,3,5-Trimethylbenzene	ND	5.0	1	ug/kg
1,4-Dichlorobenzene	ND	5.0	1	ug/kg	Vinyl Acetate	ND	50	1	ug/kg
Dichlorodifluoromethane	ND	5.0	1	ug/kg	Vinyl Chloride	ND	5.0	1	ug/kg
1,1-Dichloroethane	ND	5.0	1	ug/kg	p/m-Xylene	ND	5.0	1	ug/kg
1,2-Dichloroethane	ND	5.0	1	ug/kg	o-Xylene	1.2	5.0	1 J,B	ug/kg
1,1-Dichloroethene	ND	5.0	1	ug/kg	Methyl-t-Butyl Ether (M1	ΓBE) ND	5.0	1	ug/kg
c-1,2-Dichloroethene	ND	5.0	1	ug/kg	Tert-Butyl Alcohol (TBA) ND	50	1	ug/kg
t-1,2-Dichloroethene	ND	5.0	1	ug/kg	Diisopropyl Ether (DIPE) ND	10	1	ug/kg
1,2-Dichloropropane	ND	5.0	1	ug/kg	Ethyl-t-Butyl Ether (ETB	E) ND	10	1	ug/kg
1,3-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether		10	1	ug/kg
2,2-Dichloropropane	ND	5.0	1	ug/kg	Ethanol	ND	250	1	ug/kg
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control	Qual	:
Dibromofluoromethane 1.4-Bromofluorobenzene	89 89	79-133 80-110			Toluene-d8	96	89-107		
r,4-bromoraurobenzene	03	60-110							

RL - Reporting Limit

DF - Dilution Factor ,

Qual - Qualifiers



Method:

Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street

Ventura, CA 93001-2756

Date Received: Work Order No: Preparation:

01/23/04

04-01-1217 EPA 5030B

EPA 8260B

Project: ExxonMobil 18-M1A

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Acetone	Client Sample Number				Lab Sample Number	Date Collected Matrix	Date Prepared	Date Analyzed	QC Bat	ch ID
Acetone	Method Blank				099-10-005-7,4	105 N/A Solid	N/A	01/24/04	04012	4L01
Benzene	<u>Parameter</u>	Result	RL	<u>DF</u>	Qual Units	<u>Parameter</u>	Result	RL	DF Qual	Units
Benzene ND 5.0 1 ug/kg c-1,3-Dichloropropene ND 5.0 1 ug/kg Emmobenzene ND 5.0 1 ug/kg Emm	Acetone	ND	50	1	ug/kg	1,1-Dichloropropene	ND	5.0	1	ug/kg
Bromochoromethane		ND	5.0	1		- ,				ug/kg
Bromodichloromethane	Bromobenzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	ug/kg
Bromodichloromethane	Bromochloromethane	ND	5.0	1	ug/kg	Ethylbenzene	ND	5.0	1	ug/kg
Bromoform ND 5.0 1 ug/kg p-Isopropylbenzene ND 5.0	Bromodichloromethane	ND	5.0	1		2-Hexanone	ND	50	1	ug/kg
2-Butanone ND 50 1 ug/kg Methylene Chloride 13 50 1 J ug/k n-Butylbenzene ND 5.0 1 ug/kg 4-Methyl-2-Pentanone ND 50 1 ug/k tert-Butylbenzene ND 5.0 1 ug/kg Naphthalene ND 50 1 ug/k tert-Butylbenzene ND 5.0 1 ug/kg Naphthalene ND 5.0 1 ug/k Carbon Disulfide ND 5.0 1 ug/kg Styrene ND 5.0 1 ug/k Carbon Disulfide ND 5.0 1 ug/kg Styrene ND 5.0 1 ug/k Carbon Tetrachloride ND 5.0 1 ug/kg 1,1,1,2-Tetrachloroethane ND 5.0 1 ug/k Chlorobenzene ND 5.0 1 ug/kg 1,1,1,2-Tetrachloroethane ND 5.0 1 ug/k Chlorobenzene ND 5.0 1 ug/kg Tetrachloroethane ND 5.0 1 ug/k Chloroethane ND 5.0 1 ug/kg Toluene ND 5.0 1 ug/kg Chloromethane ND 5.0 1 ug/kg Toluene ND 5.0 1 ug/k Chloromethane ND 5.0 1 ug/kg Toluene ND 5.0 1 ug/kg 4-Chlorotoluene ND 5.0 1 ug/kg 1,2,3-Trichlorobenzene ND 10 1 ug/k 4-Chlorotoluene ND 5.0 1 ug/kg 1,2,3-Trichlorobenzene ND 5.0 1 ug/kg 4-Chlorotoluene ND 5.0 1 ug/kg 1,1,1-Trichloroethane ND 5.0 1 ug/kg 4-Chloromethane ND 5.0 1 ug/kg 1,1,1-Trichloroethane ND 5.0 1 ug/kg 4-Chlorotoluene ND 5.0 1 ug/kg 1,1,1-Trichloroethane ND 5.0 1 ug/kg 4-Chlorotoluene ND 5.0 1 ug/kg 1,1,1-Trichloroethane ND 5.0 1 ug/kg 4-Chlorotoluene ND 5.0 1 ug/kg 1,1,1-Trichloroethane ND 5.0 1 ug/kg 4-Chlorotoluene ND 5.0 1 ug/kg 1,1,1-Trichloroethane ND 5.0 1 ug/kg 4-Chlorotoluene ND 5.0 1 ug/kg 1,1,2-Trichloroethane ND 5.0 1 ug/kg 4-Chlorotoluene ND 5.0 1 ug/kg 1,1,2-Trichloroethane ND 5.0 1 ug/kg 4-Chlorotoluene ND 5.0 1 ug/kg 1,1,2-Trichloroethane ND 5.0 1 ug/kg 4-C-Dibromoethane ND 5.0 1 ug/kg 1,1,2-Trichloroptopane ND 5.0 1 ug/kg 4-C-Dibromoethane ND 5.0 1 ug/kg 1,2,3-Trichloroptopane ND 5.0 1 ug/kg 4-C-Dibromoethane ND 5.0 1 ug/kg 1,2,3-Trichloroptopane ND 5.0 1 ug/kg 4-C-Dibromoethane ND 5.0 1 ug/kg 1,3-5-Trimethylbenzene ND 5.0 1 ug/kg 4-C-Dibromoethane ND 5.0 1 ug/kg Vinyl Chloride ND 5.0 1 ug/kg 4-C-Dibromoethane ND 5.0 1 ug/kg Vinyl Chloride ND 5.0 1 ug/kg 4-L-Dibromoethane ND 5.0 1 ug/kg Vinyl Chloride ND 5.0 1 ug/kg 4-L-Dibromoethane ND 5.0 1 ug/kg Ethyl-L-Butyl Ether (ITBA) ND 5.0 1 ug/kg 4-L-Dibromoethane ND 5.0 1 ug/kg Ethyl-L-B	Bromoform	ND	5.0	1		Isopropylbenzene	ND	5.0	1	ug/kg
2-Butanone ND 50 1 ug/kg Methylene Chloride 13 50 1 J ug/ks sec-Bulylbenzene ND 5.0 1 ug/kg 4-Methyl-2-Pentanone ND 50 1 ug/ks sec-Bulylbenzene ND 5.0 1 ug/kg A-Methyl-2-Pentanone ND 50 1 ug/ks sec-Bulylbenzene ND 5.0 1 ug/kg Naphthalene ND 50 1 ug/ks tert-Bulylbenzene ND 5.0 1 ug/kg Naphthalene ND 5.0 1 ug/ks Carbon Disulfide ND 5.0 1 ug/kg Styrene ND 5.0 1 ug/ks Carbon Disulfide ND 5.0 1 ug/kg Styrene ND 5.0 1 ug/ks Chlorobenzene ND 5.0 1 ug/ks 1.1,1,2-Tetrachloroethane ND 5.0 1 ug/ks Chlorobenzene ND 5.0 1 ug/ks 1.1,1,2-Tetrachloroethane ND 5.0 1 ug/ks Chlorobenzene ND 5.0 1 ug/ks Tetrachloroethane ND 5.0 1 ug/ks Chloroethane ND 5.0 1 ug/ks Tolluene ND 5.0 1 ug/ks Tolluene ND 5.0 1 ug/ks Chloroethane ND 5.0 1 ug/ks Tolluene ND 5.0 1 ug/ks Chloroethane ND 5.0 1 ug/ks Tolluene ND 5.0 1 ug/ks Tolluene ND 5.0 1 ug/ks Chlorotoluene ND 5.0 1 ug/ks 1.2,3-Trichlorobenzene ND 10 1 ug/ks 4-Chlorotoluene ND 5.0 1 ug/ks 1.2,3-Trichloroethane ND 5.0 1 ug/ks 1.2-Dibromo-3-Chloropropane ND 5.0 1 ug/ks 1.1,1-Trichloroethane ND 5.0 1 ug/ks 1.2-Dibromo-3-Chloropropane ND 5.0 1 ug/ks 1.2-Dibromo-3-Chloropropane ND 5.0 1 ug/ks 1.2-Dibromo-3-Chloropropane ND 5.0 1 ug/ks 1.2-Dibromoethane	Bromomethane	ND	25	1	ug/kg	p-Isopropyltoluene	ND	5.0	1	ug/kg
n-Butylbenzene ND 5.0 1 ug/kg 4-Methyl-2-Pentanone ND 50 1 ug/ks sec-Butylbenzene ND 5.0 1 ug/kg Naphthalene ND 50 1 ug/kg Carbon Disulfide ND 5.0 1 ug/kg n-Propylbenzene ND 5.0 1 ug/kg Carbon Disulfide ND 5.0 1 ug/kg Styrene ND 5.0 1 ug/kg Carbon Tetrachloride ND 5.0 1 ug/kg Styrene ND 5.0 1 ug/kg Carbon Tetrachloride ND 5.0 1 ug/kg Styrene ND 5.0 1 ug/kg Chloroethane ND 5.0 1 ug/kg Tetrachloroethane ND 5.0 1 ug/kg Chloroethane ND 5.0 1 ug/kg Tetrachloroethane ND 5.0 1 ug/kg Chloroethane ND 5.0 1 ug/kg Tetrachloroethane ND 5.0 1 ug/kg Chloroethane ND 5.0 1 ug/kg Tetrachloroethane ND 5.0 1 ug/kg Chloroethane ND 5.0 1 ug/kg Tetrachloroethane ND 5.0 1 ug/kg Chloroethane ND 5.0 1 ug/kg Tetrachloroethane ND 5.0 1 ug/kg Chloroethane ND 5.0 1 ug/kg Tetrachloroethane ND 5.0 1 ug/kg Tichloroethane ND 5.0 1 ug/kg Tichl	2-Butanone	ND	50	1				50	1 J	ug/kg
sec-Butylbenzene ND 5.0 1 ug/kg Naphthalene ND 50 1 ug/kg Carbon Disulfide ND 5.0 1 ug/kg n-Propylbenzene ND 5.0 1 ug/kg Carbon Tetrachloride ND 5.0 1 ug/kg 1,1,1,2-Tetrachloroethane ND 5.0 1 ug/kg Chlorobenzene ND 5.0 1 ug/kg 1,1,1,2-Tetrachloroethane ND 5.0 1 ug/kg Chlorobenzene ND 5.0 1 ug/kg 1,1,1,2-Tetrachloroethane ND 5.0 1 ug/kg Chloroform ND 5.0 1 ug/kg Tetrachloroethane ND 5.0 1 ug/kg Chloroformethane ND 5.0 1 ug/kg 1,2,3-Trichlorobenzene ND 5.0 1 ug/kg C-Chlorotoluene ND 5.0 1 ug/kg 1,2-Trichlorobenzene ND 5.0 1 ug/kg <td>n-Butvlbenzene</td> <td></td> <td>5.0</td> <td>1</td> <td></td> <td>•</td> <td>ND</td> <td>50</td> <td>1</td> <td>ug/kg</td>	n-Butvlbenzene		5.0	1		•	ND	50	1	ug/kg
tert-Butylbenzene ND 5.0 1 ug/kg n-Propylbenzene ND 5.0 1 ug/kg Carbon Disulfide ND 50 1 ug/kg Styrene ND 5.0 1 ug/kg Carbon Tetrachloride ND 5.0 1 ug/kg 1,1,1,2-Tetrachloroethane ND 5.0 1 ug/kg Chlorobenzene ND 5.0 1 ug/kg 1,1,1,2-Tetrachloroethane ND 5.0 1 ug/kg Chloroethane ND 5.0 1 ug/kg Tetrachloroethene ND 5.0 1 ug/kg Chloroethane ND 5.0 1 ug/kg 1,2,3-Trichloroebnzene ND 5.0 1 ug/kg 4-Chlorotoluene ND 5.0 1 ug/kg 1,2,2-Trichloroebnzene ND 5.0 1 ug/kg 1,2-Dibromo-S-Chloropropane ND 5.0 1 ug/kg 1,1,1-Trichloroethane ND 5.0 1 ug/kg	,		5.0	1	~ ~	•	ND	50	1	ug/kg
Carbon Disulfide ND 50 1 ug/kg Styrene ND 5.0 1 ug/kg Carbon Tetrachloride ND 5.0 1 ug/kg 1,1,2-Tetrachloroethane ND 5.0 1 ug/kg Chlorobenzene ND 5.0 1 ug/kg 1,1,2-Tetrachloroethane ND 5.0 1 ug/kg Chloroform ND 5.0 1 ug/kg Tetrachloroethene ND 5.0 1 ug/kg Chloroform ND 5.0 1 ug/kg 1,2,3-Trichlorobenzene ND 5.0 1 ug/kg 2-Chlorotoluene ND 5.0 1 ug/kg 1,2,4-Trichlorobenzene ND 5.0 1 ug/kg 4-Chlorotoluene ND 5.0 1 ug/kg 1,1,1-Trichloroethane ND 5.0 1 ug/kg 1.2-Dibromochloromethane ND 5.0 1 ug/kg 1,1,2-Trichloroethane ND 5.0 1 ug/kg <td>•</td> <td>ND</td> <td>5.0</td> <td>1</td> <td>• •</td> <td>n-Propylbenzene</td> <td>ND</td> <td>5.0</td> <td>1</td> <td>ug/kg</td>	•	ND	5.0	1	• •	n-Propylbenzene	ND	5.0	1	ug/kg
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Chlorobenzene			5.0	1			ND	5.0	1	~ ~
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2,2-Dichloropropane ND 5.0 1 ug/kg Ethanol ND 250 1 ug/kg Surrogates: REC (%) Control Qual Surrogates: REC (%) Control Qual Limits	• •					, , ,				~ ~
<u>Limits</u>								-	-	ug/kg
	Surrogates:	REC (%)			Qual	Surrogates:	REC (%)	Control	Qual	
Dibromofluoromethane 107 79-133 Toluene-d8 96 89-107 1.4-Bromofluorobenzene 91 80-110			79-133			Toluene-d8	96	89-107		





Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street

Ventura, CA 93001-2756

Date Received: Work Order No:

04-01-1217

01/23/04

Preparation:

EPA 5030B

Method:

EPA 8260B

Project: ExxonMobil 18-M1A

Page 5 of 5

Client Sample Number				Lab Sample Number	Date Collected Matr	Date ^{ix} Prepared	Date Analyzed	QC Ba	tch ID
Method Blank				099-10-005-7,4	112 N/A Soli	d N/A	01/27/04	04012	7L01
Parameter	Result	RL	DE	Qual Units	Parameter	Result	<u>RL</u>	DF Qua	l Units
Acetone	ND	50	1	ug/kg	1.1-Dichloropropene	ND	5.0	1	ua/ka
Benzene	ND	5.0	1	ug/kg	c-1,3-Dichloropropene	ND	5.0	1	ug/kg
Bromobenzene	ND	5.0	1	ug/kg	t-1.3-Dichloropropene	ND	5.0	1	ug/kg
Bromochloromethane	ND	5.0	1		Ethylbenzene	ND	5.0	1	ug/kg
Bromodichloromethane	ND	5.0	1	~ ~	2-Hexanone	ND	50	1	ug/kg
Bromoform	ND	5.0	1	ug/kg	Isopropylbenzene	ND	5.0	1	ug/kg
Bromomethane	ND	25	1	ug/kg	p-Isopropyltoluene	ND	5.0	1	ug/kg
2-Butanone	ND	50	1	ug/kg	Methylene Chloride	14	50	1 J	ug/kg
n-Butylbenzene	ND	5.0	1	~ ~	4-Methyl-2-Pentanone	ND	50	1	ug/kg
sec-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	ug/kg
tert-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	ug/kg
Carbon Disulfide	ND	50	1		Styrene	ND	5.0	1	ug/kg
Carbon Tetrachloride	ND	5.0	1		1,1,1,2-Tetrachloroetha	ane ND	5.0	1	ug/kg
Chlorobenzene	ND	5.0	1		1,1,2,2-Tetrachloroetha		5.0	1	ug/kg
Chloroethane	ND	5.0	1	~ ~	Tetrachloroethene	ND	5.0	1	ug/kg
Chloroform	ND	5.0	1		Toluene	0.79	5.0	1 J	ug/kg
Chloromethane	ND	25	1		1,2,3-Trichlorobenzene	e ND	10	1	ug/kg
2-Chlorotoluene	ND	5.0	1		1,2,4-Trichlorobenzene	e ND	5.0	1	ug/kg
4-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	ug/kg
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	ug/kg
1,2-Dibromo-3-Chloropropane	ND	10	1	ug/kg	Trichloroethene	ND	5.0	1	ug/kg
1.2-Dibromoethane	ND	5.0	1	~ ~	Trichlorofluoromethane	e ND	50	1	ug/kg
Dibromomethane	ND	5.0	1		1,2,3-Trichloropropane		5.0	1	ug/kg
1.2-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzend		5.0	1	ug/kg
1.3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene		5.0	1	ug/kg
1,4-Dichlorobenzene	ND	5.0	1	ug/kg	Vinvl Acetate	ND	50	1	ug/kg
Dichlorodifluoromethane	ND	5.0	1		Vinvl Chloride	ND	5.0	1	ug/kg
1.1-Dichloroethane	ND	5.0	1		p/m-Xylene	ND	5.0	1	ug/kg
1.2-Dichloroethane	ND	5.0	1		o-Xvlene	1.2	5.0	1 J	ug/kg
1.1-Dichloroethene	ND	5.0	1		Methyl-t-Butyl Ether (M	ITBE) ND	5.0	1	ug/kg
c-1,2-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TB/	,	50	1	ug/kg
t-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPI		10	1	ug/kg
1,2-Dichloropropane	ND	5.0	1		Ethyl-t-Butyl Ether (ETI		10	1	ug/kg
1,3-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether		10	1	ug/kg
2,2-Dichloropropane	ND	5.0	1	-33	Ethanol	ND	250	1	ug/kg
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control	Qua	Ţ
Dibromofluoromethane 1,4-Bromofluorobenzene	115 91	79-133 80-110			Toluene-d8	98	89-107		

RL - Reporting Limit

DF - Dilution Factor

Qual - Qualifiers



Holguin, Fahan & Associates, Inc.

143 S. Figueroa Street Ventura, CA 93001-2756 Date Received:

01/23/04

Work Order No:

04-01-1217

Preparation:

EPA 3050B / EPA 7471A Total

Method:

EPA 6010B / EPA 7471A

Project: ExxonMobil 18-M1A

Page 1 of 1

Client Sample Number			L	ab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Bat	ch ID
CL-1-5			04	01-1217-4	01/23/04	Solid	01/27/04	01/27/04	04012	7L01
Comment(s): Mercury was	analyzed on 1/2	7/2004 12	::25:55 PN	1 with batch	040127L01					
Parameter	Result	<u>RL</u>	<u>DF</u> Qu	al Units	<u>Parameter</u>		Result	<u>RL</u>	DF Qual	<u>Units</u>
Antimony	ND	0.750	1	mg/kg	Mercury		ND	0.0835	1	mg/kg
Arsenic	7.25	0.75	1	mg/kg	Molybdenum		ND	0.250	1	mg/kg
Barium	242	0.500	1	mg/kg	Nickel		21.5	0.2	1	mg/kg
Beryllium	0.662	0.250	1	mg/kg	Selenium		ND	0.750	1	mg/kg
Cadmium	0.874	0.500	1	mg/kg	Silver		ND	0.250	1	mg/kg
Chromium (Total)	26.9	0.2	1	mg/kg	Thallium		ND	0.750	1	mg/kg
Cobalt	12.7	0.2	1	mg/kg	Vanadium		47.0	0.2	1	mg/kg
Copper	59.6	0.5	1	mg/kg	Zinc		64.2	1.0	1	mg/kg
Lead	8.35	0.50	1	mg/kg						

 Parameter
 Result
 RL
 DF
 Qual
 Units

 Mercury
 ND
 0.0835
 1
 mg/kg

<u>Parameter</u>	Result	<u>RL</u>	<u>DF</u>	Qual Units	<u>Parameter</u>	Result	<u>RL</u>	DF Qua	<u>Units</u>
Antimony	ND	0.750	1	mg/kg	Molybdenum	ND	0.250	1	mg/kg
Arsenic	ND	0.750	1	mg/kg	Nickel	ND	0.250	1	mg/kg
Barium	ND	0.500	1	mg/kg	Selenium	ND	0.750	1	mg/kg
Beryllium	ND	0.250	1	mg/kg	Silver	ND	0.250	1	mg/kg
Cadmium	ND	0.500	1	mg/kg	Thallium	ND	0.750	1	mg/kg
Chromium (Total)	ND	0.250	1	mg/kg	Vanadium	ND	0.250	1	mg/kg
Cobalt	ND	0.250	1	mg/kg	Zinc	ND	1.00	1	mg/kg
Copper	ND	0.500	1	mg/kg	Lead	ND	0.500	1	mg/kg

RL - Reporting Limit

DF - Dilution Factor ,

Qual - Qualifiers



Quality Control - Spike/Spike Duplicate

Holguin, Fahan & Associates, Inc.

143 S. Figueroa Street

Ventura, CA 93001-2756

Date Received:

Work Order No:

Preparation:

Method:

01/23/04

04-01-1217

EPA 5030B

EPA 8021B

Quality Control Sample ID	Matrix	Instrument	Date Prepared			MS/MSD Batch Number	
SP-1	Solid	GC 21	NA		01/27/04	040126801	
<u>Parameter</u>	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers	
Benzene	81	93	75-114	15	0-15		
Toluene	79	92	77-109	15	0-15		
Ethylbenzene	73	86	77-109	16	0-17	3	
p/m-Xylene	74	87	79-109	16	0-17	3	
o-Xylene	77	86	79-108	12	0-16	3	
Methyl-t-Butyl Ether (MTBE)	86	96	51-128	11	0-18		
TPH as Gasoline	68	62	75-125	9	0-29	3	

^{3:} Spike or Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.





Quality Control - LCS/LCS Duplicate

aboratories, Inc.

Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756 Date Received: Work Order No: Preparation: Method: N/A 04-01-1217 EPA 5030B EPA 8021B

Project: ExxonMo

ExxonMobil 18-M1A

Quality Control Sample ID	Matrix	Dat rix Instrument Prepa		Date Analyzed	LCS/LCSD Bate Number	ch
098-01-002-3,907	Solid	GC 21	NA	01/26/04	040126B01	
<u>Parameter</u>	LCS %RE	C LCSD %	<u>%REC</u> %RE	EC CL RPD	RPD CL	Qualifiers
Benzene	90	88	76	-108 2	0-15	
Toluene	89	87	75	-109 2	0-17	
Ethylbenzene	86	85	71	-115 2	0-19	
p/m-Xylene	88	86	73	-116 2	0-19	
o-Xylene	89	84	72	-115 6	0-19	
Methyl-t-Butyl Ether (MTBE)	92	91	57	-120 1	0-26	
TPH as Gasoline	92	95	79	-124 3	0-21	



Quality Control - Spike/Spike Duplicate

Holguin, Fahan & Associates, Inc.

143 S. Figueroa Street

Ventura, CA 93001-2756

Date Received:

Work Order No:

Preparation:

Method:

01/23/04

04-01-1217

Extraction

EPA 418.1M

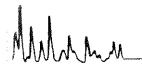
Project: ExxonMobil 18-M1A

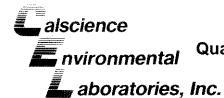
Quality Control Sample ID Matrix Instrument Date Prepared Analyzed Number

HL-1-7 Solid IR #1 01/28/04 01/28/04 040128S05

 Parameter
 MS %REC
 MSD %REC
 %REC CL
 RPD
 RPD CL
 Qualifiers

 TRPH
 98
 104
 55-135
 3
 0-30





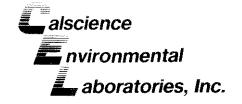
Quality Control - Laboratory Control Sample

Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756 Date Received: Work Order No: Preparation: Method: N/A 04-01-1217 Extraction EPA 418.1M

Project:

ExxonMobil 18-M1A

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File IC) LC	S Batch Number
099-07-015-571	Solid	IR#1	01/28/04	NONE		040128L05
Parameter	<u>Cc</u>	onc Added	Conc Recovered	<u>%Rec</u>	%Rec CL	Qualifiers
TRPH		100	110	109	70-130	



Quality Control - Spike/Spike Duplicate

Holguin, Fahan & Associates, Inc.

143 S. Figueroa Street

Ventura, CA 93001-2756

Date Received:

Work Order No:

Preparation:

Method:

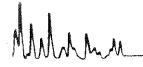
01/23/04

04-01-1217

EPA 5030B

EPA 8260B

Quality Control Sample ID	Matrix	Instrument	Date Prepared		Date Analyzed	MS/MSD Batch Number	
GL:1-5	Sølid	GC/MS R	NA		01/24/04	040124801	
Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers	
Benzene	99	99	77-119	0	0-17		
Carbon Tetrachloride	91	93	61-139	2	0-21		
Chlorobenzene	96	94	75-117	2	0-17		
1,2-Dichforobenzene	96	94	69-117	2	0-21		
1,1-Dichloroethene	94	100	68-140	5	0-18		
Toluene	97	97	76-118	0	0-18		
Trichloroethene	97	97	49-145	0	0-21		
Vinyl Chloride	96	104	62-134	8	0-20		
Methyl-t-Butyl Ether (MTBE)	97	104	68-122	6	0-27		
Tert-Butyl Alcohoi (TBA)	81	97	59-131	18	0-32		
Diisopropyl Ether (DIPE)	77	94	53-137	20	0-27		
Ethyl-t-Butyl Ether (ETBE)	94	97	59-131	3	0-25		
Tert-Amyl-Methyl Ether (TAME)	101	102	70-124	0	0-18		
Ethanol	81	90	52-130	10	0-29		





Quality Control - Spike/Spike Duplicate

Holguin, Fahan & Associates, Inc.

143 S. Figueroa Street

Ventura, CA 93001-2756

Date Received:

Work Order No:

Preparation:

Method:

01/23/04

04-01-1217

EPA 5030B

EPA 8260B

Quality Control Sample ID	Matrix	Instrument	Date Prepared		Date nalyzed	MS/MSD Batch Number 040127501	
HL-1-7	Solid	GC/MS/R	N/A	Û	1/27/04		
<u>Parameter</u>	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers	
Benzene	76	74	77-119	4	0-17	3	
Carbon Tetrachloride	73	67	61-139	8	0-21		
Chlorobenzene	70	69	75-117	1	0-17	3	
1,2-Dichlorobenzene	62	67	69-117	8	0-21	3	
1,1-Dichloroethene	83	71	68-140	16	0-18		
Toluene	72	72	76-118	1	0-18	3	
Trichloroethene	75	7 3	49-145	2	0-21		
Vinyl Chloride	84	70	62-134	18	0-20		
Methyl-t-Butyl Ether (MTBE)	85	75	68-122	12	0-27		
Tert-Butyl Alcohol (TBA)	92	90	59-131	2	0-32		
Diisopropyl Ether (DIPE)	74	63	53-137	16	0-27		
Ethyl-t-Butyl Ether (ETBE)	77	67	59-131	15	0-25		
Tert-Amyl-Methyl Ether (TAME)	76	74	70-124	3	0-18		
Ethanol	86	79	52-130	8	0-29		

^{3:} Spike or Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.





Quality Control - Laboratory Control Sample

aboratories, Inc.

Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756 Date Received: Work Order No: Preparation: Method: N/A 04-01-1217 EPA 5030B EPA 8260B

Quality Control Sample ID	Matrix	Instrumen	t Date Analyzed	Lab File ID	LCS	LCS Batch Number	
099-10-005-7,405	Solid	GC/MS F	01/24/04	24JAN003		40124L01	
Parameter	<u>(</u>	Conc Added	Conc Recovered	%Rec	%Rec CL	Qualifiers	
Benzene		250	260	103	83-119		
Carbon Tetrachloride		250	240	97	69-141		
Chlorobenzene		250	250	101	86-116		
1,2-Dichlorobenzene		250	260	103	85-115		
1,1-Dichloroethene		250	250	102	82-130		
Toluene		250	250	101	81-117		
Trichloroethene		250	260	104	72-120		
Vinyl Chloride		250	260	103	77-125		
Methyl-t-Butyl Ether (MTBE)		250	270	106	75-123		
Tert-Butyl Alcohol (TBA)		1300	1300	104	72-120		
Diisopropyl Ether (DIPE)		250	240	95	69-129		
Ethyl-t-Butyl Ether (ETBE)		250	250	100	71-131		
Tert-Amyl-Methyl Ether (TAME)		250	270	109	80-122		
Ethanol		2500	2400	97	58-124		





Quality Control - LCS/LCS Duplicate

Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756 Date Received: Work Order No: Preparation: Method: N/A 04-01-1217 EPA 5030B EPA 8260B

Project:

ExxonMobil 18-M1A

Quality Control Sample ID	Matrix	Instrument	Date Prepared		ate llyzed	LCS/LCSD Bat Number	ch
099-10-005-7,412	Solid	GC/MS R	N/A	N/A 01/27/04		040127L01	
<u>Parameter</u>	LCS %RE	C LCSD %	REC %	REC CL	RPD	RPD CL	Qualifiers
Benzene	108	101		83-119	7	0-11	
Carbon Tetrachloride	94	106		69-141	12	0-13	
Chlorobenzene	103	101		86-116	2	0-8	
1,2-Dichlorobenzene	104	101		85-115	3	0-10	
1,1-Dichloroethene	110	107		82-130	3	0-15	
Toluene	106	101		81-117	6	0-10	
Trichloroethene	105	100		72-120	4	0-10	
Vinyl Chloride	110	108		77-125	2	0-12	
Methyl-t-Butyl Ether (MTBE)	118	113		75-123	5	0-11	
Tert-Butyl Alcohol (TBA)	118	104		72-120	12	0-14	
Diisopropyl Ether (DIPE)	102	100		69-129	2	0-16	
Ethyl-t-Butyl Ether (ETBE)	109	105		71-131	4	0-27	
Tert-Amyl-Methyl Ether (TAME)	116	107		80-122	8	0-13	
Ethanol	99	97		58-124	2	0-24	



Quality Control - Spike/Spike Duplicate

Holguin, Fahan & Associates, Inc.

143 S. Figueroa Street

Ventura, CA 93001-2756

Date Received:

Work Order No:

Preparation:

Method:

01/23/04

04-01-1217

EPA 3050B

EPA 6010B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	А	Date nalyzed	MS/MSD Batch Number
CL-115	Solid	ICP 3300	01/27/04	(1)	1/27/04	040127501
<u>Parameter</u>	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	40	39	50-115	2	0-20	3
Arsenic	96	95	75-125	0	0-20	
Barium	4X	4X	75-125	4X	0-20	Q
Beryllium	97	97	75-125	0	0-20	
Cadmium	101	100	75-125	1	0-20	
Chromium (Total)	103	103	75-125	0	0-20	
Cobalt	98	98	75-125	1	0-20	
Copper	58	53	75-125	3	0-20	3
Lead	97	98	75-125	0	0-20	
Molybdenum	92	90	75-125	2	0-20	
Nickel	100	100	75-125	0	0-20	
Selenium	90	90	75-125	1	0-20	
Silver	104	104	75-125	0	0-20	
Thalfium	89	87	75-125	2	0-20	
Vanadium	100	98	75-125	1	0-20	
Zinc	83	80	75-125	2	0-20	

^{3:} Spike or Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD and sample PDS/PDSD were in control except for barium and, therefore, the sample data was reported without further clarification.



⁴X: Spike recovery or RPD control limits do not apply resulting from the sample concentration exceeding the spike concentration by a factor of four or greater.

Q: Spike recovery and/or RPD control limits do not apply resulting from the sample concentration exceeding the spike concentration by a factor of four or greater.



Quality Control - LCS/LCS Duplicate

Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756

Date Received: Work Order No: Preparation: Method: N/A 04-01-1217 EPA 3050B EPA 6010B

Project:

ExxonMobil 18-M1A

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Da Analy		LCS/LCSD Bate Number	ch
097-01-002-5,105	Solid	ICP 3300	01/27/04	01/27	/04	040127L01	
Parameter	LCS %RE	C LCSD %	REC %R	REC CL	RPD	RPD CL	Qualifiers
Antimony	94	93	8	0-120	2	0-20	
Arsenic	93	93	8	0-120	0	0-20	
Barium	102	101	8	0-120	1	0-20	
Beryllium	92	92	8	0-120	0	0-20	
Cadmium	99	97	8	0-120	2	0-20	
Chromium (Total)	99	95	8	0-120	4	0-20	
Cobalt	99	98	8	0-120	2	0-20	
Copper	96	94	8	0-120	3	0-20	
Lead	98	96	8	0-120	3	0-20	
Molybdenum	98	96	8	0-120	2	0-20	
Nickel	1 01	100	8	0-120	1	0-20	
Selenium	86	91	8	0-120	5	0-20	
Silver	94	90	8	0-120	4	0-20	
Thallium	94	95	8	0-120	1	0-20	
Vanadium	93	90	8	0-120	3	0-20	
Zinc	97	95	8	0-120	2	0-20	



Quality Control - PDS / PDS Duplicate

Holguin, Fahan & Associates, Inc.

143 S. Figueroa Street Ventura, CA 93001-2756 Date Received:

01/23/04

Work Order No.:

04-01-1217

Preparation:

EPA 3050B

Method:

EPA 6010B

Quality Control Sample ID	Matrix	Instrument			Date Analyzed	PDS/PDSD Batch Number	
CL-1-5	Aqueous	ICP 3300	01/27	/04	01/28/04	040127PDS01	
<u>Parameter</u>	PDS %REC	PDSD %REC	%REC CL	<u>RPD</u>	RPD CL	Qualifier	
Antimony Barium Copper	87 4X 97	88 4X 98	75-125 75-125 75-125	1 4X 1	0-20 0-20 0-20	Q,5	

^{5:} The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.



⁴X. Spike recovery and RPD control limits do not apply resulting from the sample concentration exceeding the spike concentration by a factor of four or greater.

Q: Spike recovery and/or RPD control limits do not apply resulting from the sample concentration exceeding the spike concentration by a factor of four or greater.



Quality Control - Spike/Spike Duplicate

Holguin, Fahan & Associates, Inc.

143 S. Figueroa Street

Ventura, CA 93001-2756

Date Received:

Work Order No:

Preparation:

Method:

04-01-1217

01/23/04

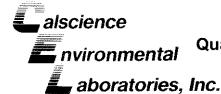
EPA 7471A Total

EPA 7471A

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
04-01-1286-11	Solid	Mercury	01/27/04	01/27/04	040127501
<u>Parameter</u>	MS %REC	MSD %REC	%REC CL	RPD RPD	CL Qualifiers
Mercury	127	127	76-136	0 0-1	6



N/A



Quality Control - Laboratory Control Sample

Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756 Date Received: Work Order No: Preparation:

Method:

04-01-1217 EPA 7471A Total

EPA 7471A

Project:

ExxonMobil 18-M1A

Quality Control Sample ID

Matrix

Instrument

Date Analyzed

Lab File ID

LCS Batch Number

01/27/04 040127L01 040127L01 099-04-007-2,411 Solid Mercury Conc Added Conc Recovered %Rec %Rec CL Qualifiers <u>Parameter</u> Mercury 0.835 0.901 108 82-124



Glossary of Terms and Qualifiers

Work Order Number: 04-01-1217

Qualifier	<u>Definition</u>
3	Spike or Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
В	Analyte was present in the associated method blank.
J	Analyte was detected at a concentration below the reporting limit. Reported value is estimated.
ND	Not detected at indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the sample concentration exceeding the spike concentration by a factor of four or greater.



WORK ORDER #:

04-01-1217

Cooler	 of _)

SAMPLE RECEIPT FORM

CLIENT: 14A	DATE: 1-23-04							
TEMPERATURE - SAMPLES RECEIVED BY:								
CALSCIENCE COURIER: Chilled, cooler with temperature blank provided. Chilled, cooler without temperature blank. Chilled and placed in cooler with wet ice. Ambient and placed in cooler with wet ice. Ambient temperature. C Temperature blank.	LABORATORY (Other than Calscience Courier): °C Temperature blank. _°C IR thermometer. Ambient temperature.							
CUSTODY SEAL INTACT: Sample(s): Cooler: No (Not Intact)	: Not Applicable (N/A): Initial:							
SAMPLE CONDITION: Chain-Of-Custody document(s) received with samples Sample container label(s) consistent with custody papers Sample container(s) intact and good condition Correct containers for analyses requested Proper preservation noted on sample label(s) VOA vial(s) free of headspace. Tedlar bag(s) free of condensation								
COMMENTS:								

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC. Sample Summary Report

WORK ORDER #:

04-01-1217

QAPP:

0000

#	Client Sample ID	Matrix	Date Collected	NoC	Comment
1 8	SP-1	S	01/23/2004	1	
2 8	SP-2	S	01/23/2004	1	
3 8	SP-3	s	01/23/2004	1	
4 (CL-1-5	S	01/23/2004	1	
5 H	HL-1-7	S	01/23/2004	1	
6 H	HL-2-7	S	01/23/2004	1	

To assist us in using the proper analytical methods. Is this work being conducted for regulatory purposes? Compliance Monitoring	19-W 161				14 B. F.	PO#	Analyze For:	None None None None		Other Other	REMARKS				7 9	2	2		LABORATORY COMMENTS:	Rec Lab Temp:	8 €	>	
12/7 10 88. is this	M.b. Project Name:	Project #	Site/Location ID:	Report To:	Invoice To.	Quote #:	Anal	_ 101	A 10	CO8 808		φ	4	X	× :	X .	92				Date: 3-cu Time 6	0 date: 17 5 Lime: 5	
Phone: 615-726-0177 Fax: 615-726-3404	Cient#:	ханых ден уйдан ден ден ден ден ден ден ден ден ден де	. Симентина в применения в при	Fax 805-651-0793	на в пред на при	лама на населения от применту боления общености пределения на пределения постоления от пределения от пределени	Preservation & # of Containers	He	4			4	Y			and an an annual and an annual and an annual and an				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Received By W. L.	Received By:	
Nashville Division 2960 Foster Creighton Nashville, TN 37204	Exernited / HFD	образования в постановления в постановления в постановления в постановления в постановления в постановления в В постановления в постановления в постановления в постановления в постановления в постановления в постановления	Jans Pridersm	g160-E59-508	James Ord 213m		Matrix	- SOINSOING KIUB ANBEGE	Comp	Sampled Sampled Sampled Filtered DV = 5 County and Scoungward	Time	. ગામા	-3-01 412	12341 1435	V) IMGO	W 1523	1500 W				73	bate: 17.04 Time.	\
Cal Science.	Client NameAddress:	City/State/Zip Code:	Project Manager.	Telephone Number:	Sampler Name: (Print Name)	Sampler Signature.		Standard - N & (Lv.5) Rush (surcharges may apply)	Date Needed:	Fax Results: ∀ N	SAMPLEID	Č	56.3	\$P.3	915	N-1-7	NL-2-7		Special instructions:		Relinquished	Relinquished By	



January 26, 2004

James Anderson Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756

Subject: Calscience Work Order No.: 04-01-1218

Client Reference:

ExxonMobil 18-M1A

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 1/23/2004 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental Laboratories, Inc.

Don Burley

Project Manager

Michael J. Crisostomo Quality Assurance Manager



Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street

Ventura, CA 93001-2756

Date Received: Work Order No: Preparation:

01/23/04 04-01-1218 EPA 5035

Method:

DHS LUFT

Project: ExxonMobil 18	3-M1A							Page 1 of 2
Client Sample Number			Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
T4-W-12			04-01-1218-1	01/23/04	Solid	01/23/04	01/24/04	040122B02
<u>Parameter</u>	Result	<u>RL</u>	DF	Qual	<u>Units</u>			
TPH as Gasoline	3000	420	1678		mg/kg			
Surrogates:	REC (%)	Control		Qual				
1,4-Bromofluorobenzene	103	<u>Limits</u> 70-130						
74 °≦92			04-01-1218-2	01/23/04	Solid	01/23/04	01/25/04	040124B01
<u>Parameter</u>	Result	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>			
TPH as Gasoline	2.4	0.1	0.66		mg/kg			
Surrogates:	REC (%)	Control		Qual				
1,4-Bromofluorobenzene	98	<u>Limits</u> 70-130						
PL-1-3			04-01-1218-3	01/23/04	Solid	01/23/04	01/25/04	040124801
Parameter	Result	<u>RL</u>	<u>DF</u>	Qual	<u>Units</u>			
TPH as Gasoline	0.047	0.17	0.68	J	mg/kg			
Surrogates:	REC (%)	Control		Qual				
1,4-Bromofluorobenzene	90	<u>Limits</u> 70-130						
DAA			04-01-1218-4	01/23/04	Solid	01/23/04	01/25/04	040124B01
<u>Parameter</u>	Result	<u>RL</u>	<u>DF</u>	Qual	<u>Units</u>			
TPH as Gasoline	ND	0.12	0.49		mg/kg			
Surrogates:	REC (%)	Control		<u>Qual</u>				
1,4-Bromofluorobenzene	90	<u>Limits</u> 70-130						



Holguin, Fahan & Associates, Inc.

143 S. Figueroa Street Ventura, CA 93001-2756 Date Received:

Work Order No:

04-01-1218 EPA 5035

01/23/04

Preparation: Method:

DHS LUFT

Project: ExxonMobil 18-M1A

Page 2 of 2

Client Sample Number			Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank			099-12-009-2,822	N/A	Solid	01/22/04	01/22/04	040122B02
<u>Parameter</u>	Result	RL	DF	Qual	<u>Units</u>			
TPH as Gasoline	ND	10	40		mg/kg			
Surrogates:	REC (%)	Control		Qual				
1,4-Bromofluorobenzene	84	<u>Limits</u> 70-130						,

Method Blank			099-12-009-2,825	N/A	Solid 01/24/04 01/24/04 040124B01
Parameter	Result	<u>RL</u>	<u>DF</u>	Qual	<u>Units</u>
TPH as Gasoline	ND	0.25	1		mg/kg
Surrogates:	REC (%)	Control Limits		Qual	
1,4-Bromofluorobenzene	82	70-130			

Rt - Reporting Limit

DF - Dilution Factor ,

Qual - Qualifiers



Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756

Date Received: Work Order No: Preparation: Method:

01/23/04 04-01-1218 EPA 5035

EPA 8260B

Project: ExxonMobil	18-M1A								Pa	ge 1 of
Client Sample Number				Sample umber	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Bat	tch ID
T4-W-12			04-01	-1218-1	01/23/04	Solid	01/23/04	01/24/04	04012	4L02
<u>Parameter</u>	Result	<u>RL</u>	DF Qual	Units	<u>Parameter</u>		Result	RL	DF Qual	Units
Benzene	92	84	83.9	ug/kg	Tert-Butyl Alcoho	ol (TBA)	ND	 1700	83.9	ug/kg
Ethylbenzene	26000	1700	1680 D	ug/kg	Diisopropyl Ether		ND	84	83.9	ug/kg
oluene	570	84	83.9	ug/kg	Ethyl-t-Butyl Ethe		ND	84	83.9	ug/kg
n/m-Xylene	85000	3400	1680 D	ug/kg	Tert-Amyl-Methyl		E) ND	84	83.9	ug/kg
-Xylene	23000	1700	1680 D	ug/kg	Ethanol	`	ND	42000	83.9	ug/kg
Methyl-t-Butyl Ether (MTBE)	310	170	83.9	ug/kg					23.0	~g/ ((g
Surrogates:	REC (%)	Control Limits	<u>Qua</u>	!	Surrogates:		REC (%)	Control	Qual	
Dibromofluoromethane	99	65-157			Toluene-d8		112	51-144		
1,4-Bromofluorobenzene	111	49-141			roluene-uo		112	31-144		
74-E-12			04-01	-1218-2	01/23/04	Solid	01/23/04	01/24/04	040124	ILO1
Parameter	Result	RL	DF Qual	Unite	Parameter	mpt	Result	RL	DE Ouel	I lestes
Benzene	0.16		0.563J	ug/kg		L (TDA)			DF Qual	
Ethylbenzene	0.10		0.563J	ug/kg ug/kg	Tert-Butyl Alcoho Diisopropyl Ether	, ,	11000	1200	62.3 D	ug/kg
Foluene	0.33		0.563J	ug/kg ug/kg	Ethyl-t-Butyl Ethe		ND		0.563	ug/kg
/m-Xylene	2.2	1.1	0.563	ug/kg ug/kg	Tert-Amyl-Methyl		ND 10		0.563	ug/kg
-Xylene	0.60		0.563	ug/kg ug/kg	Ethanol	Ellier (TAIVIE	,	0.5	0.563	ug/kg
Methyl-t-Butyl Ether (MTBE)	3100	120	62.3 D	ug/kg ug/kg	Ethanoi		ND	280	0.563	ug/kg
Surrogates:	REC (%)	Control	Qual		Surrogates:		REC (%)	Control	Qual	
		<u>Limits</u>								
Dibromofluoromethane	101	65-157			Toluene-d8		99	51-144		
,4-Bromoffuorobenzene	99	49-141								
PL-1-3			04-01	-1218-3	01/23/04	Solid	01/23/04	01/24/04	040124	L01
<u>'arameter</u>	Result	RL	DF Qual	<u>Units</u>	<u>Parameter</u>		Result	RL.	DF Qual	<u>Units</u>
Benzene	0.53	0.47	0.472	ug/kg	Tert-Butyl Alcoho	(TBA)	64	9	0.472	ug/kg
Ethylbenzene	ND	0.47	0.472	ug/kg	Diisopropyl Ether	(DIPE)	ND	0.47	0.472	ug/kg
oluene	1.0	0.4		ug/kg	Ethyl-t-Butyl Ethe	` '	ND	0.47	0.472	ug/kg
/m-Xylene	0.92	0.94		ug/kg	Tert-Amyl-Methyl	` ,		0.47	0.472	ug/kg
-Xylene	0.64	0.47	0.472	ug/kg	Ethanol	•	ND	240	0.472	ug/kg
Methyl-t-Butyl Ether (MTBE)	26	0.94	0.472	ug/kg					-	
urrogates:	REC (%)	Control	Qual		Surrogates:		REC (%)	Control	Qual	
libram of ware mathers	405	<u>Limits</u>			T 1 10					
Dibromofluoromethane	105	65-157			Toluene-d8		95	51-144		
,4-Bromofluorobenzene	91	49-141								





Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street

Ventura, CA 93001-2756

Date Received:

Work Order No:

Preparation: Method:

01/23/04

04-01-1218

EPA 5035 EPA 8260B

Project: ExxonMobil 18-M1A

Page 2 of 3

Client Sample Number			Lab Samp Number	e Date Collected	Matrix	Date Prepared	Date Analyzed	QC Bate	ch ID
D-4-4			04-01-1218-	4 01/23/04	Solid	01/23/04	01/24/04	040124	L02
<u>Parameter</u>	Result	<u>RL</u>	DF Qual Units	<u>Parameter</u>		Result	<u>RL</u>	DF Qual	Units
Benzene	ND	51	50.5 ug/kg	Tert-Butyl Alco	hol (TBA)	ND	1000	50.5	ug/kg
Ethylbenzene	ND	51	50.5 ug/kg	Diisopropyl Eth	ner (DIPE)	ND	51	50.5	ug/kg
Toluene	ND	51	50.5 ug/kg	Ethyl-t-Butyl Et	ther (ETBE)	ND	51	50.5	ug/kg
p/m-Xylene	ND	100	50.5 ug/kg	Tert-Amyl-Metl	hyl Ether (TAN	ME) ND	51	50.5	ug/kg
o-Xylene	14	51	50.5 J,B ug/kg	Ethanol		ND	25000	50.5	ug/kg
Methyl-t-Butyl Ether (MTBE)	91	100	50.5 J ug/kg						-39
Surrogates:	REC (%)	Control Limits	Qual	Surrogates:		REC (%)	Control	<u>Qual</u>	
Dibromofluoromethane	107	65-157		Toluene-d8		95	51-144		
1,4-Bromofluorobenzene	93	49-141							

Method Blank				095-01-	025-8,0	92 N/A Solid	01/24/04	01/24/04	04012	\$L01
<u>Parameter</u>	Result	<u>RL</u>	<u>DF</u>	Qual	<u>Units</u>	Parameter	Result	RL	DF Qual	Units
Benzene	ND	1.0	1	u	g/kg	Tert-Butyl Alcohol (TBA)	ND	20	1	ug/kg
Ethylbenzene	ND	1.0	1	u	g/kg	Diisopropyl Ether (DIPE)	ND	1.0	1	ug/kg
Toluene	ND	1.0	1	u	g/kg	Ethyl-t-Butyl Ether (ETBE)	ND	1.0	1	ug/kg
p/m-Xylene	ND	2.0	1	u	g/kg	Tert-Amyl-Methyl Ether (TAME) ND	1.0	1	ug/kg
o-Xylene	ND	1.0	1	u	g/kg	Ethanol	ND	500	1	ug/kg
Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	u	g/kg					99
Surrogates:	REC (%)	Control Limits		Qual		Surrogates:	REC (%)	Control	Qual	
Dibromofluoromethane 1,4-Bromofluorobenzene	117 89	65-157 49-141				Toluene-d8	97	51-144		

Method Blank				095-0	1-025-8,	095 N/A Solid	01/24/04	01/24/04	04012	4L02
Parameter	<u>Result</u>	RL	<u>DF</u>	Qual	<u>Units</u>	Parameter	Result	<u>RL</u>	DF Qual	Units
Benzene	ND	50	50		ug/kg	Tert-Butyl Alcohol (TBA)	ND	1000	50	ug/kg
Ethylbenzene	ND	50	50		ug/kg	Diisopropyl Ether (DIPE)	ND	50	50	ug/kg
Toluene	ND	50	50		ug/kg	Ethyl-t-Butyl Ether (ETBE)	ND	50	50	ug/kg
p/m-Xylene	МD	100	50		ug/kg	Tert-Amyi-Methyl Ether (TAME) ND	50	50	ug/kg
o-Xylene	12	50	50	J	ug/kg	Ethanol	ND	25000	50	ug/kg
Methyl-t-Butyl Ether (MTBE)	ND	100	50		ug/kg					-55
Surrogates:	REC (%)	Control Limits		Qual		Surrogates:	REC (%)	Control	Qual	
Dibromofluoromethane 1,4-Bromofluorobenzene	113 89	65-157 49-141				Toluene-d8	97	51-144		



Holguin, Fahan & Associates, Inc.

143 S. Figueroa Street Ventura, CA 93001-2756 Date Received:

Work Order No:

Preparation:

Method:

01/23/04

04-01-1218

EPA 5035

EPA 8260B

Project: ExxonMobil 18-M1A

Page 3 of 3

Client Sample Number			L	.ab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Bat	ch ID
Method Blank			09	5-01-025-8,0	97 N/A	Solid	01/26/04	01/26/04	040126	L02
Parameter	Result	RL	DF Q	ual Units	<u>Parameter</u>		Result	RL	DF Qual	<u>Units</u>
Benzene	ND	50	50	ug/kg	Tert-Butyl Alcoh	of (TBA)	ND	1000	50	ug/kg
Ethylbenzene	ND	50	50	ug/kg	Diisopropyl Ethe	er (DIPE)	ND	50	50	ug/kg
Toluene	ND	50	50	ug/kg	Ethyl-t-Butyl Eth	er (ETBE)	ND	50	50	ug/kg
p/m-Xylene	ND	100	50	ug/kg	Tert-Amyl-Meth	yl Ether (TAN	(E) ND	50	50	ug/kg
o-Xylene	ND	50	50	ug/kg	Ethanol	,	ND	25000	50	ug/kg
Methyl-t-Butyl Ether (MTBE)	ND	100	50	ug/kg						-9/19
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:		REC (%)	Control	Qual	
Dibromofluoromethane 1,4-Bromofluorobenzene	111 93	65-157 49-141			Toluene-d8		97	51-144		



Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756

Date Received: Work Order No: Preparation: Method:

N/A 04-01-1218 EPA 5035 DHS LUFT

Project:

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyze	:d	LCS/LCSD Bate Number	ch
099-12-009-2,822	Solid	GC 22	01/22/04	01/22/04	•	040122B02	
Parameter	LCS %	REC LCSD	%REC %R	EC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	98	96	7	0-130	3	0-25	



Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756

Date Received: Work Order No: Preparation: Method:

N/A 04-01-1218 EPA 5035 DHS LUFT

Project:

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed		LCS/LCSD Bate Number	ch
099-12-009-2,825	Solid	GC 22	01/24/04	01/24/04	Period Sar	040124B01	
<u>Parameter</u>	LCS %F	REC LCSD	<u>%REC %RI</u>	EC CL F	<u>RPD</u>	RPD CL	Qualifiers
TPH as Gasoline	90	92	70)-130	2	0-25	



Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756

Date Received: Work Order No: Preparation: Method:

N/A 04-01-1218 EPA 5035 EPA 8260B

Project: ExxonMobil 18-M1A

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Bat Number	rch
095-01-025-8,092	Solid	GC/MS S	N/A	01/24/04	040124L01	
<u>Parameter</u>	LCS %RE	C LCSD %F	EC %REC	CL RPD	RPD CL	Qualifiers
Benzene	95	94	76-12	4 1	0-15	
Carbon Tetrachloride	119	117	66-13	7 2	0-16	
Chlorobenzene	97	98	72-12	9 1	0-21	
1,2-Dichlorobenzene	97	99	79-12	1 2	0-20	
1,1-Dichloroethene	95	93	59-13	1 1	0-14	
Toluene	100	99	72-13	0 1	0-16	
Trichloroethene	99	100	69-13	0 1	0-18	
Vinyl Chloride	99	99	51-13	6 0	0-21	
Methyl-t-Butyl Ether (MTBE)	119	120	69-14	9 1	0-17	
Tert-Butyl Alcohol (TBA)	118	121	49-14	5 2	0-25	
Diisopropyl Ether (DtPE)	98	98	73-13	3 1	0-25	
Ethyl-t-Butyl Ether (ETBE)	100	100	73-13	2 0	0-25	
Tert-Amyl-Methyl Ether (TAME)	97	96	82-12	0 1	0-25	
Ethanol	85	89	70-13	0 4	0-30	



Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756

Date Received: Work Order No: Preparation: Method:

N/A 04-01-1218 EPA 5035 EPA 8260B

Project:

Quality Control Sample ID 095-01-025-8,095		Instrument GC/MS S	Date Prepared N/A	Date Analyzo 01/24/0	ed	LCS/LCSD Bate Number 040124L02	oh
Parameter	LCS %REG	C LCSD %F	PEC %B	EC CL	RPD	RPD CL	Overlife
Benzene	95						Qualifiers
Carbon Tetrachloride	95 119	94		6-124	1	0-15	
		117		6-137	2	0-16	
Chlorobenzene	97	98	7:	2-129	1	0-21	
1,2-Dichlorobenzene	97	99	7:	9-121	2	0-20	
1,1-Dichloroethene	95	93	5	9-131	1	0-14	
Toluene	100	99	7:	2-130	1	0-16	
Trichloroethene	99	100	69	9-130	1	0-18	
Vinyl Chloride	99	99	5 ⁻	1-136	0	0-21	
Methyl-t-Butyl Ether (MTBE)	119	120	69	9-149	1	0-17	
Tert-Butyl Alcohol (TBA)	118	121	49	9-145	2	0-25	
Diisopropyl Ether (DIPE)	98	98	73	3-133	1	0-25	
Ethyl-t-Butyl Ether (ETBE)	100	100	73	3-132	0	0-25	
Tert-Amyl-Methyl Ether (TAME)	97	96	82	2-120	1	0-25	
Ethanol	85	89	70)-130	4	0-30	



Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756

Date Received: Work Order No: Preparation: Method:

N/A 04-01-1218 EPA 5035 EPA 8260B

Project:

Quality Control Sample ID	Matrix I	Instrument		Date nalyzed	LCS/LCSD Bate Number	ch
095-01-025-8,097	Solid	GC/MS S	N/A 01	/26/04	040126L02	
Parameter	LCS %REC	C LCSD %RE	C %REC CL	<u>RPD</u>	RPD CL	Qualifiers
Benzene	91	91	76-124	0	0-15	
Carbon Tetrachloride	117	116	66-137	1	0-16	
Chlorobenzene	93	93	72-129	0	0-21	
1,2-Dichlorobenzene	95	94	79-121	0	0-20	
1,1-Dichloroethene	92	90	59-131	2	0-14	
Toluene	95	96	72-130	1	0-16	
Trichloroethene	96	96	69-130	0	0-18	
Vinyl Chloride	97	97	51-136	0	0-21	
Methyl-t-Butyl Ether (MTBE)	125	122	69-149	3	0-17	
Tert-Butyl Alcohol (TBA)	118	120	49-145	2	0-25	
Diisopropyl Ether (DIPE)	96	95	73-133	2	0-25	
Ethyl-t-Butyl Ether (ETBE)	103	101	73-132	2	0-25	
Tert-Amyl-Methyl Ether (TAME)	100	101	82-120	1	0-25	
Ethanol	88	87	70-130	1	0-30	



Glossary of Terms and Qualifiers

Work Order Number: 04-01-1218

Qualifier	<u>Definition</u>
В	Analyte was present in the associated method blank.
D	The sample data was reported from a diluted analysis.
J	Analyte was detected at a concentration below the reporting limit.
	Reported value is estimated.
ND	Not detected at indicated reporting limit.



WORK ORDER #:

04-01-1218

Cooler	of	

SAMPLE RECEIPT FORM

CLIENT: HFA	DATE: - 25- 24
TEMPERATURE - SAMPLES RECEIVED BY:	
CALSCIENCE COURIER: Chilled, cooler with temperature blank provided. Chilled, cooler without temperature blank. Chilled and placed in cooler with wet ice. Ambient and placed in cooler with wet ice. Ambient temperature. C Temperature blank.	LABORATORY (Other than Calscience Courier): °C Temperature blank. °C IR thermometer. Ambient temperature.
C remperature plant.	піцаі
CUSTODY SEAL INTACT: Sample(s): Cooler: No (Not Intact)	: Not Applicable (N/A):
SAMPLE CONDITION:	
Chain-Of-Custody document(s) received with samples	
COMMENTS: Sample 11) D4-4 reads as D4-3 (abeled as sample #4. -Please upor to the instruction	, , , , , , , , , , , , , , , , , , , ,

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC. Sample Summary Report

WORK ORDER #:

04-01-1218

QAPP:

0120

#	Client Sample ID	Matrix	Date Collected	NoC	Comment
1	T4-W-12	s	01/23/2004	1	
2	T4-E-12	S	01/23/2004	1	
3	PL-1-3	S	01/23/2004	1	
4	D-4-4	S	01/23/2004	1	
···········					

Calscience Environmental Laboratories, Inc.

Facsimile Transmission Lead Sheet

Lead plus _ sheet

Name of Sender:

Cecile de Guia 1126/04

To:

Company:

HFA

Attn.:

James Anderson

Fax Number:

805-652-0793

Mossage:

Attached is the COC for 18-M1A soil samples collected on 01/23/04.

CEL#04-01-1218

Please verify the sample ID on the COC that reads D-4-4. The sample label

reads as D-4-3. Please revise COC if necessary.

Thank you.

COC is correb- Somple none on simple 15 wing-shall be D-4-4

Please advise us immediately if you have difficulty receiving this transmission or fall to receive all pages.

Privacy Notice: This communication is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential, or exempt from disclosure under applicable Federal or State law. If the reader of this message is not the intended recipient or the employee or egent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited.

7440 Lincoln Way, Garden Grove, CA 92841-1432 * TEL: (714) 895-5494 * FAX: (714) 894-7501

	₩	see (C)			
28.7	State Long Beach	QC Deliverables None Level 2 (Batch QC) Level 3 Level 4 Other:			z >
To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes? Compliance Monitoring Name: $18-M$ / A	State.				LABORATORY COMMENTS: Init Lab Temp: Rec Lab Temp: Custody Seals: Y N (M) Bottles Supplied by Test America: Method of Shipment:
analytical or regulati)d				COMME: mp: emp: Y d by Tes
the proper aducted fi Aonitoring	1/A				LABORATORY COMMENTS: Init Lab Temp: Rec Lab Temp: Custody Seals: Y Bottles Supplied by Test Am
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	hL0-	C-441 5/08	× ×		
53 *	5-652 Containers	Other (Specify)			
Phone: 615-726-0177	\$8 # Q	*os²+	X S	221	
La Karana	Ander Fax Preservation	ивон нсі нио ²			Received By/ Received By:
anton Ph	James 219 219 Anderso	WW - Wastewater Specify Other	∽	1/0	
Nashville Division Nashville Division Nashville, TN 37204	15en 19219 And	G = Grab, C = Composite Field Filtered			
	ph nd	pajdwes awiT	8051 " "	15.35	-123-04 Date: Date: Date:
2 4	805) 65 Jam 7	Date Sampled	1-23-	2	
City/State/Zip Code:	Project Manager Nich P. Telephone Number 805) 65 Name: (Print Name) Tenn P. Sampler Signature:	ау арруу)			
Testamens Address City/State/Zio Code:	Project Manager: Telephone Number: Sampler Name: (Print Name)	charges 6 tv	ペーン		ctions:
est	Sample	Sample ID	M-4-	40	Special Instructions: Relinguished By: Relinguished By:
	•				S S S S S S S S S S S S S S S S S S S



February 06, 2004

James Anderson Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756

Subject: Calscience Work Order No.: 04-01-1668

Client Reference: ExxonMobil 18-M1A

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 1/31/2004 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental

Laboratories, Inc. Don Burley

Project Manager

Michael J\ Crisostomo Quality Assurance Manager



Holguin, Fahan & Associates, Inc.

143 S. Figueroa Street Ventura, CA 93001-2756 Date Received:

Work Order No:

Preparation: Method:

01/31/04

04-01-1668

EPA 5035

DHS LUFT

Project: EyyonMobil 18-M1A

Project: ExxonMobil	18-M1A							Page 1 of 2
Client Sample Number			Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EX-B-1			04-01-1668-1	01/30/04	Solid	01/31/04	01/31/04	040131B01
<u>Parameter</u>	Result	<u>RL</u>	<u>DF</u>	Qual	<u>Units</u>			
TPH as Gasoline	1.4	0.2	1		mg/kg			
Surrogates:	REC (%)	Control		Qual				
1,4-Bromofluorobenzene	90	<u>Limits</u> 70-130						
EX-B-2			04-01-1668-2	01/30/04	Solid	01/31/04	01/31/04	040131B01
<u>Parameter</u>	Result	<u>RL</u>	<u>DF</u>	Qual	<u>Units</u>			
TPH as Gasoline	1.1	0.2	0.92		mg/kg			
Surrogates:	REC (%)	Control		Qual				
1,4-Bromofluorobenzene	90	<u>Limits</u> 70-130						
EX-B-3			04-01-1668-3	01/30/04	Solid	01/31/04	01/31/04	040131B01
<u>Parameter</u>	Result	<u>RL</u>	<u>DF</u>	Qual	<u>Units</u>			
TPH as Gasoline	0.61	0.23	0.92		mg/kg			
Surrogates:	REC (%)	Control		Qual				
1,4-Bromofluorobenzene	89	<u>Limits</u> 70-130						
EX-B-4			04-01-1668-4	01/30/04	Solid	01/31/04	01/31/04	040131B01
<u>Parameter</u>	Result	RL	<u>DF</u>	Qual	<u>Units</u>			
TPH as Gasoline	6.4	0.2	1.02		mg/kg			
Surrogates:	REC (%)	Control		Qual				
4.45		<u>Limits</u>						

1,4-Bromofluorobenzene

70-130

Lalscience Invironmental Laboratories, Inc.

Analytical Report

Holguin, Fahan & Associates, Inc.

143 S. Figueroa Street Ventura, CA 93001-2756 Date Received:

Work Order No:

Preparation: Method:

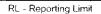
01/31/04

04-01-1668

EPA 5035

DHS LUFT

Project: ExxonMobil 1	8-M1A							Page 2 of 2
Client Sample Number			Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EX-S-2			04-01-1668-5	01/30/04	Solid	01/31/04	01/31/04	040131B02
Parameter	Result	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>			
TPH as Gasoline	4200	2300	9191		mg/kg			
Surrogates:	REC (%)	Control		Qual				
1,4-Bromofluorobenzene	88	<u>Limits</u> 70-130						
EX-S-1			04-01-1668-6	01/30/04	Solid	01/31/04	02/02/04	040131B02
<u>Parameter</u>	Result	RL	<u>DF</u>	Qual	<u>Units</u>			
TPH as Gasoline	50	22	88		mg/kg			
Surrogates:	REC (%)	Control		<u>Qual</u>				
1,4-Bromofluorobenzene	94	<u>Limits</u> 70-130						
Method Blank			099-12-009-2,8	43 N/A	Solid	01/31/04	01/31/04	040131B01
<u>Parameter</u>	Result	RL	<u>DF</u>	Qual	<u>Units</u>			
TPH as Gasoline	ND	0.25	1		mg/kg			
Surrogates:	REC (%)	Control		Qual				
1,4-Bromofluorobenzene	81	<u>Limits</u> 70-130						
Method Blank			099-12-009-2,8	44 N/A	Solid	01/31/04	01/31/04	040131B02
Parameter	Result	RL	DF	Qual	<u>Units</u>			
TPH as Gasoline	ND	10	40		mg/kg			
Surrogates:	REC (%)	Control		Qual				
1,4-Bromofluorobenzene	79	<u>Limits</u> 70-130						





Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756

Date Received: Work Order No: Preparation: Method:

01/31/04 04-01-1668 **EPA 5035 EPA 8260B**

Project: ExxonMobil 18-M1A

Page 1 of 3

Project. Exxonivioui	TO-IVITA								Pa	ge 1 of 3
Client Sample Number				Sample lumber	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Bat	ch ID
EX-B-1		, \$1. s	04-0	1-1668-1	01/30/04	Solid	01/31/04	02/05/04	04020	5L01
Parameter	Result	RL	DF Qual	Units	Parameter		Result	RL	DF Qual	Units
Benzene	ND	95	95.4	ug/kg	Tert-Butyl Alco	hol (TRA)	2000	1900	95.4	ug/kg
Ethylbenzene	ND	95	95.4	ug/kg	Diisopropyl Eth		ND	95	95.4	ug/kg ug/kg
Toluene	ND	95	95.4	ug/kg	Ethyl-t-Butyl E			95	95.4	ug/kg ug/kg
p/m-Xylene	ND	190	95.4	ug/kg	Tert-Amyl-Meti			95	95.4	ug/kg ug/kg
o-Xylene	46	95	95.4 J,B		Ethanol	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ND	48000	95.4 95.4	
Methyl-t-Butyl Ether (MTBE)	2500	190	95.4	ug/kg	W- 41 TMT 1 OT		ND	40000	33.4	ug/kg
Surrogates:	REC (%)	<u>Control</u> Limits	Qua	1	Surrogates:		REC (%)	Control	<u>Qual</u>	
Dibromofluoromethane 1,4-Bromofluorobenzene	97 97	65-157 49-141			Toluene-d8		100	51-144		
EX-B-2			04-01	-1668-2	01/30/04	Solid	01/31/04	02/05/04	040205	L01
<u>Parameter</u>	Result	RL	DF Qual	Units	Parameter		Result	RL	DF Qual	<u>U</u> nits
Benzene	ND	92	91.7	ug/kg	Tert-Butyl Alco	hol (TRA)	3500	1800	91.7	
Ethylbenzene	ND	92	91.7	ug/kg	Diisopropyl Eth		ND	92	91.7	ug/kg
Toluene	ND	92	91.7	ug/kg ug/kg	Ethyl-t-Butyl Et	. ,	ND	92 92	91.7	ug/kg
o/m-Xylene	ND	180	91.7	ug/kg	Tert-Amyl-Meth			92 92		ug/kg
o-Xylene	41	92	91.7 J,B	ug/kg	Ethanol	iyi Culei (17	ND	46000	91.7	ug/kg
Methyl-t-Butyl Ether (MTBE)	4700	180	91.7	ug/kg	Linanor		ND	40000	91.7	ug/kg
Surrogates:	REC (%)	Control Limits	Qua	Į.	Surrogates:		REC (%)	Control	<u>Qual</u>	
Dibromofluoromethane	95	65-157			Toluene-d8		102	51-144		
1,4-Bromofluorobenzene	97	49-141								
EX-B-3			04-01	-1668-3	01/30/04	Solid	01/31/04	02/05/04	040205	L01
Parameter	Result	<u>RL</u>	DF Qual	<u>Units</u>	Parameter		Result	<u>RL</u>	DF Qual	Units
Benzene	ND	96	96.2	ug/kg	Tert-Butyl Alcol	nol (TBA)	ND	1900	96.2	ug/kg
Ethylbenzene	ND	96	96.2	ug/kg	Diisopropyl Eth	er (DIPE)	ND	96	96.2	ug/kg
Foluene	ND	96	96.2	ug/kg	Ethyl-t-Butyl Etl	her (ETBE)	ND	96	96.2	ug/kg
/m-Xylene	ND	190	96.2	ug/kg	Tert-Amyl-Meth	yl Ether (ŤA		96	96.2	ug/kg
o-Xylene	40	96	96.2 J,B	ug/kg	Ethanol	•	ND	48000	96.2	ug/kg
Methyl-t-Butyl Ether (MTBE)	2400	190	96.2	ug/kg			. 20-	- 2000	30.2	-g/ng
Surrogates:	REC (%)	Control	Qual		Surrogates:		REC (%)	Control	Qual	
Dibromofluoromethane	93	<u>Limits</u> 65-157			Toluene-d8		100	E4 444		
1 4-Bromofluorobenzene	08	40.141			i oiuerie-uo		100	51-144		

1,4-Bromofluorobenzene

DF - Dilution Factor ,

49-141

Qual - Qualifiers



Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756 Date Received: Work Order No: Preparation: Method:

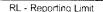
01/31/04 04-01-1668 EPA 5035 EPA 8260B

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Project: ExxonMobil 18-M1A

Page 2 of 3

Client Sample Number				Sample umber	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Bat	ch ID
EX-8-4		<u>. 1 141 (4 1 1</u>	04-01	-1668-4	01/30/04	Solid	01/31/04	02/05/04	04020	5L01
<u>Parameter</u>	Result	<u>RL</u>	DF Qual	<u>Units</u>	<u>Parameter</u>		Result	ŖL	DF Qual	Units
Benzene	ND	96	95.6	ug/kg	Tert-Butyl Alcoh	ol (TBA)	16000	1900	95.6	ug/kg
Ethylbenzene	ND	96	95.6	ug/kg	Diisopropyl Ethe		ND	96	95.6	ug/kg ug/kg
Toluene	68	96	95.6 J	ug/kg	Ethyl-t-Butyl Eth		ND	96	95.6	ug/kg ug/kg
o/m-Xylene	72	190	95.6 J	ug/kg	Tert-Amyl-Methy	/I Ether (TAN	ME) ND	96	95.6	ug/kg
o-Xylene	64	96	95.6 J,B	ug/kg	Ethanol	•	4800	48000	95.6 J	ug/kg
Methyl-t-Butyl Ether (MTBE)	17000	190	95.6	ug/kg						vg.ng
Surrogates:	REC (%)	Control Limits	<u>Qua</u>	I	Surrogates:		REC (%)	Control	Qual	
Dibromofluoromethane	94	65-157			Toluene-d8		102	E1 444		
1,4-Bromofluorobenzene	99	49-141			roluene-up		102	51-144		
EX-S-2		si safatk	04-01	-1668-5	01/30/04	Solid	01/31/04	02/05/04	040205	L01
Parameter	Result	RL	DF Qual	Units	Parameter	· · · · · · · · · · · · · · · · · · ·	Result	DI	DF Qual	t leite
Benzene	24000	7	1840	ug/kg	Tert-Butyl Alcoho	ol (TDA)	ND	<u>RL</u>		<u>Units</u>
Ethylbenzene	240000	1800		ug/kg ug/kg	Diisopropyl Ethe	` '	ND ND	37000	1840	ug/kg
oluene	580000	9200		ug/kg ug/kg	Ethyl-t-Butyl Eth	` '	ND	1800 1800	1840 1840	ug/kg
/m-Xylene	1900000	18000		ug/kg ug/kg	Tert-Amyl-Methy	. ,		1800	1840	ug/kg
-Xviene	640000	9200		ug/kg	Ethanol	TEBIEL (TAIV	ND	920000	1840	ug/kg
Methyl-t-Butyl Ether (MTBE)	ND		1840	ug/kg	Luianoi		ND	920000	1040	ug/kg
Surrogates:	REC (%)	Control Limits	Qual	!	Surrogates:		REC (%)	Control	Qual	
Dibromofluoromethane	100	65-157			Toluene-d8		102	51-144		
,4-Bromofluorobenzene	103	49-141								
EX-S-1			04-01	-1668-6	01/30/04	Solid	01/31/04	02/05/04	040205	L01
Parameter Parameter	Result	RL	DF Qual	Units	<u>Parameter</u>		Result	<u>RL</u>	DF Qual	Units
Benzene	ND	88	87.9	ug/kg	Tert-Butyl Alcoho	ol (TBA)	ND	1800	87.9	ug/kg
Ethylbenzene	89	88	87.9	ug/kg	Diisopropyl Ether	r (DIPE)	ND	88	87.9	ug/kg
oluene	45	88	87.9 J	ug/kg	Ethyl-t-Butyl Ethe	er (ETBE)	ND	88	87.9	ug/kg
/m-Xylene	520	180	87.9	ug/kg	Tert-Amyl-Methy	Ether (TAM	IE) ND	88	87.9	ug/kg
-Xylene	210	88	87.9 B	ug/kg	Ethanol		ND	44000	87.9	ug/kg
lethyl-t-Butyl Ether (MTBE)	30	180	87.9 J	ug/kg						J 5
Surrogates:	REC (%)	Control	Qual		Surrogates:		REC (%)	Control	Qual	
Dibromofluoromethane	94	<u>Limits</u> 65-157			Toluene-d8		101	51-144		
4 Promofluorobanzana	06	40 444			i Oluene-UO		101	Ų I−144		



1,4-Bromofluorobenzene

DF - Dilution Factor

49-141

Qual - Qualifiers



Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756

Date Received: Work Order No: Preparation:

01/31/04 04-01-1668

EPA 5035

Method:

EPA 8260B

Project: ExxonMobil 18-M1A

Page 3 of 3

Client Sample Number					Sample umber	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Bate	ch ID
Method Blank	<u></u>		P 1883	095-0	1-025-8,1	172 N/A	Solid	02/05/04	02/05/04	040205	iL01
<u>Parameter</u>	Result	<u>RL</u>	<u>DF</u>	Qual	<u>Units</u>	<u>Parameter</u>		Result	<u>RL</u>	DF Qual	Units
Benzene	ND	50	50	}	ug/kg	Tert-Butyl Alcoh	ol (TBA)	ND	1000	50	ug/kg
Ethylbenzene	ND	50	50	1	ug/kg	Diisopropyl Ethe	r (DIPE)	ND	50	50	ug/kg
Toluene	ND	50	50	1	ug/kg	Ethyl-t-Butyl Eth	er (ETBE)	ND	50	50	ug/kg
p/m-Xylene	ND	100	50	1	ug/kg	Tert-Amyl-Methy	/I Ether (TAN	ME) ND	50	50	ug/kg
o-Xylene	22	50	50	J	ug/kg	Ethanol		ND	25000	50	ug/kg
Methyl-t-Butyl Ether (MTBE)	ND	100	50	•	ug/kg						-33
Surrogates:	REC (%)	Control Limits		Qua	ļ	Surrogates:		REC (%)	Control	Qual	
Dibromofluoromethane 1,4-Bromofluorobenzene	94 97	65-157 49-141				Toluene-d8		101	51-144		



Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756

Date Received: Work Order No: Preparation: Method:

N/A 04-01-1668 EPA 5035 DHS LUFT

Project:

Quality Control Sample ID	Ma	trix Ins	strument	Date Prepar		Date Analyzed	LCS/LCSD Bate Number	oh
099-12-009-2,843	Soli	d (GC 22	01/31/0)4	01/31/04	040131B01	
<u>Parameter</u>		LCS %REC	LCSD %	REC	%REC (CL RPD	RPD CL	Qualifiers
TPH as Gasoline		98	97		70-130) 1	0-25	



Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756 Date Received: Work Order No: Preparation: Method: N/A 04-01-1668 EPA 5035 DHS LUFT

Project:

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	1	LCS/LCSD Bat Number	ch
099-12-009-2,844	Solid	GC 22	01/31/04	01/31/04		040131B02	
<u>Parameter</u>	LCS %F	EC LCSD	%REC %F	REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	97	97	7	0-130	0	0-25	



Holguin, Fahan & Associates, Inc. 143 S. Figueroa Street Ventura, CA 93001-2756

Date Received: Work Order No: Preparation: Method: N/A 04-01-1668 EPA 5035 EPA 8260B

Project: ExxonMobil 18-M1A

Quality Control Sample ID	Matrix Inst	Date rument Prepa		ate yzed	LCS/LCSD Bat Number	ch
095-01-025-8,172	Solid GC	/MSX N/A	02/0	5/04	040205L01	
Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	94	76-124	4	0-15	
Carbon Tetrachloride	100	95	66-137	5	0-16	
Chlorobenzene	95	93	72-129	3	0-21	
1,2-Dichlorobenzene	94	92	79-121	2	0-20	
1,1-Dichloroethene	109	104	59-131	5	0-14	
Toluene	95	93	72-130	2	0-16	
Trichloroethene	96	93	69-130	3	0-18	
Vinyl Chloride	103	97	51-136	6	0-21	
Methyl-t-Butyl Ether (MTBE)	99	94	69-149	6	0-17	
Tert-Butyl Alcohol (TBA)	102	100	49-145	1	0-25	
Diisopropyl Ether (DIPE)	99	90	73-133	10	0-25	
Ethyl-t-Butyl Ether (ETBE)	100	97	73-132	3	0-25	
Tert-Amyl-Methyl Ether (TAME)	96	92	82-120	4	0-25	
Ethanol	100	104	70-130	4	0-30	



Glossary of Terms and Qualifiers

aboratories, nic.

Work Order Number: 04-01-1668

Qualifier	<u>Definition</u>
В	Analyte was present in the associated method blank.
D	The sample data was reported from a diluted analysis.
J	Analyte was detected at a concentration below the reporting limit. Reported value is estimated.
ND	Not detected at indicated reporting limit.



WORK ORDER #:

04-01-0663

Cooler	$ackslash$ of $___$	<u> </u>

SAMPLE RECEIPT FORM

CLIENT:	DATE: 1-31-04
TEMPERATURE - SAMPLES RECEIVED BY:	No. 17 (1970)
CALSCIENCE COURIER: Chilled, cooler with temperature blank provided. Chilled, cooler without temperature blank. Chilled and placed in cooler with wet ice. Ambient and placed in cooler with wet ice. Ambient temperature. C Temperature blank.	LABORATORY (Other than Calscience Courier): C Temperature blank. C IR thermometer. Ambient temperature.
CUSTODY SEAL INTACT: Sample(s): Cooler: No (Not Intact)	: Not Applicable (N/A): Initial:
SAMPLE CONDITION: Chain-Of-Custody document(s) received with samples	
COMMENTS: 5 encoves For each sample it should be 6. - please uper to the correct	·

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC. Sample Summary Report

WORK ORDER #:

04-01-1668

QAPP:

0120

#	Client Sample ID	Matrix	Date Collected	NoC	Comment
1	EX-B-1	S	01/30/2004	5	
2	EX-B-2	S	01/30/2004	5	
3	EX-B-3	S	01/30/2004	5	
4	EX-B-4	S	01/30/2004	5	
5	EX-S-2	S	01/30/2004	5	
6	EX-S-1	S	01/30/2004	5	
				<u> </u>	

Calscience
Environmental
Laboratories, Inc.

Facsimile Transmission Lead Sheet

Lead plus 2 sheets

From:

Name of Sender:

Cecile de Guia

2/404

To:

Company:

HFA

Attn.:

James Anderson

Fax Number:

805-852-0793

Meesage:

Please modify the COC to show number of containers received is 5 only for each sample for 18-M1A taken on 01/30/04.

CEL # 04-01-1658

Please advise us immediately if you have difficulty receiving this transmission or fall to receive all pages.

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7440 Lincoln Way, Garden Grove, CA 92841-1432 * TEL: (714) 895-5494 * FAX: (714) 894-7501

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CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.	/AY	TEL: (714) 895-5494 • FAX: (714) 894-7501	Holyw, Fahra			10	16 €	D REVOLUE REPORTING XOCELT REPORTING		a a		74		KX 8-1	R. P.	N	RAGA	2×5	825-				ļ					h Enul repo
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CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.

CHAIN OF CUSTODY RECORD

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Date__

7440 LINCOLN WAY GARDEN GROVE, CA 92841-1432 TEL: (714) 895-5494 • FAX: (714) 894-7501

ABORATORY CLIENT: TO CL	bolgur, Fahar & Nossel	***************************************	**************************************		CCLEN	CLIENT PROJECT NAME / NUMBER:	CT NAN	fē/NU	MBER:				P.O. NO.:			
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APPENDIX 6.

SOIL WASTE MANIFESTS

Please print or type.

Date of Shinmont				dous Soils		14 A M 12 A	Service Substitution	
Date of Shipment:	Responsible for	Payment:	Transporte	er Tructo#7	Facility #: C	Given by TPS:		Load /
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Non-Hazardous Soils Responsible for Payment: Transporter Truck #: Facility #: Given by TPS: Onst. 10 والمعينة مج Generator's Name and Billing Addrose, National Process Generator (s.Phone # 25) // ... Generator's US FPA ID No នាន់ស៊ីស្ មេខនុស ខេម្មបាន ប៉ុន្តែ បានសភា Person to Contact: FAX# Customer Account Number with TPS: Torrance, CA 98509 13466 Consultant's Phone # Consultant's Phone # Consultant's Phone # Consultant Phone Phone # Consultant Phone P Consultant's Name and Billing Address:
AND LOD IN THE ADDRESS AND COLOR TO THE A 143 S MICUMPUG ST Person to Contact: FAX#: Customer Account Number with 11%: 10,0 医髓膜 网络克里亚 PENTURA, SA 93001 BTEX Generation Site (Transport from): (name & address) Site Phone #: Levels Person to Contact: TPH ATTO C. TOUR OF Levels and/or Consultant FAX# AVĆ. 1387 LONG BEACH, ON WOODS Levels Designated Facility (Transport to): (name & address)
TEO TECHNOLIGETES Facility Phone #: (① (4)②) (8)((2)) (3**以)②** (1 Facility Permit Numbers Person to Confact: CELLEND JEFFREY 12088 HIBISCUS Generator FAX#: 76.00) 1246 -8004 ADELANTO, CA 92381 SISH Transporter Name and Mailing Address:
W. A. WOODS INDUSTRIES Transporter's US EPA ID No.: Transporter's Phone #: (508) 927-1367 CAD009657545 IGIEN W. FRONTAGE ROAD Person to Contact:
REIN DENCON Transporter's DOT No.: 1958 Customer Account Number with TPS: FAX#: USA (562) 806-1**8**59 SOUTH GATE, CA 90C90 12000238 **Description of Soil Moisture Content** Contaminated by: Approx. Qty: **Description of Delivery** Gross Weight | Tare Weight **Net Weight** 0 - 10% Gas Sand 🔙 Organic 🗅 10 - 20% \mathbf{a} Diesel 🗅 Clay 3 Other 🜙 20% - over 🖵 Other 📮 0 - 10% Gas Sand D Organic 🖵 10 - 20% Diesel 🗀 Clay 🔾 Other 🛄 20% - over □ Other @ List any exception to items listed above: Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing his been added or done to such soil that would alter it in ELACOUS any way. Del LIPPS Day Yea Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same Transporter condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site. Facility Recycling Recycling Facility certifies the receipt of the soil covered by this munifest except as noted above: Signature and date:

TPS Technologies Soil Recycling



APPENDIX 7.

UNDERGROUND STORAGE TANK DATA FORM

UNDERGROUND STORAGE TANK DATA FORM

GENERAL INFORMATION UST Closure Permit #: 394672 Regulatory Agency: City of Long Beach Fire Department Status of Site: Operating Re-build Abandoned Removed Facilities: X Product and Vent Piping Dispensers **USTs** Excavation Dates: January 20 through 23, 2004 Piping Removal Date: January 23, 2004 **USTs Removal Date:** January 23, 2004 Air Monitoring performed: X Yes No Air Monitoring Records Location: MOMPOS Construction, Co., Inc. (909) 698-1358 **HYDROGEOLOGY** Groundwater Encountered in Excavation: Yes X No ___ Estimated Depth to Groundwater: 16 fbg Groundwater data obtained from: Encountered during secondary excavation Geologic Information: Sand, silty sand and silty clay Information on production wells located within 1-mile radius: Well #: N/A Well Elevation (MSL): N/A Depth to water: N/A GW Elevation (MSL): N/A Date measured: N/A Well location: N/A On-site monitoring well information: N/A

UST CERTIFICATION AND REMOVAL INFORMATION

UST#	Removal Date	U.L. #	Composition Material	Capacity Size (Gallons)	Age (Yrs.)	Contents	Remarks (UST Cond.)
1	1/23/04	Unknown	Double-walled fiberglass	12,000	Unknown	Gasoline	No damage or holes observed
2	1/23/04	Unknown	Double-walled fiberglass	10,000	Unknown	Gasoline	No damage or holes observed
3	1/23/04	Unknown	Double-walled fiberglass	10,000	Unknown	Gasoline	No damage or holes observed
4	1/23/04	Unknown	Double-walled fiberglass	1,000	Unknown	Used-oil	No damage or holes observed

UST Removal Procedures: D	Degassed, triple-rinsed, certified at 0% LEL, and transported as						
<u>_r</u>	onhazardous						
UST Manifest Number(s):	N/A						
UST Certifier Name:	Thomas Beck, M	larine Chemist					
UST Disposal Location: <u>Eco</u>	logy Auto Parts,	Santa Fe Springs, CA					
UST Disposal Certificate Numb	er(s): N/A						
UST/Piping Rinsate Manifest No	umber(s):	22980763 and 22980764					
Facility Rinsate Transported to	for Recycling:	Crosby & Overton, Long Beach, California					
Fire Department Inspector:	City of Long B	each					
Regulatory Agency Inspector:	City of Long B	each Fire Department					
UST Cleaning Contractor:	Nieto & Sons, Brea, California						
Construction Contractor:	MOMPOS Cor	MOMPOS Construction Co., Inc., Wildomar, California					
Responsible Party:	Nick Puig, Proj	ect Manager					

SOIL INFORMATION

Description of Excavation Soils: Pea gravel

UST, DISPENSER AND PIPING COMPLIANCE SOIL SAMPLE DATA

SAMPLE	SAMPLE	DEPTH (fbg)		
ID#	DATE	, ,	SOIL TYPE	DESCRIPTION
D1-5	1-23-04	5	Silty clay: 0/0/100, brown	No odor, no stain, PID = ppmv
D2-5	1-23-04	5	Silty clay: 0/0/100, brown	No odor, no stain, PID = ppmv
D3-5	1-23-04	5	Silty clay: 0/0/100, dark brown	No odor, no stain, PID = ppmv
D4-4	1-23-04	4	Silty clay: 0/0/100, brown	No odor, no stain, PID = ppmv
T1-8	1-23-04	8	Silty clay: 0/0/100, dark brown	No odor, no stain, PID = ppmv
T2-W-12	1-23-04	14	Sand: 0/100/0, fine-grained, brown	Slight hydrocarbon odor, slight green stain, PID = 100 ppmv
T2-E-12	1-23-04	14	Sand: 0/100/0, fine-grained, brown	Strong hydrocarbon odor, slight green stain, PID = 2,500 ppmv
T3-E-12	1-23-04	14	Sand: 0/100/0, fine-grained, brown	Strong hydrocarbon odor, slight green stain, PID = 4,700 ppmv
T3-W-12	1-23-04	14	Silty clay: 0/0/100, brown	No odor, slight green stain, PID = 5 ppmv
T4-W-12	1-23-04	14	Sand: 0/100/0, fine-grained, brown	Strong hydrocarbon odor, slight green stain, PID = 1,300 ppmv
T4-E-12	1-23-04	14	Sand: 0/100/0, fine-grained, brown	Slight hydrocarbon odor, slight green stain, PID = 160 ppmv
PL-1-3	1-23-04	3	Sand: 0/100/0, fine-grained, brown	No odor, no stain PID = 0 ppmv
HL-1-7	1-23-04	7	Silty sand: 0/75/25, fine- grained, brown	No odor, no stain PID = 0 ppmv
HL-2-7	1-23-04	7	Silty sand: 0/75/25, fine- grained, brown	No odor, no stain PID = 0 ppmv
CL-1-5	1-23-04	5	Silty clay: 0/0/100, brown	No odor, no stain, PID = ppmv

STOCKPILES AND BACKFILL INFORMATION

IDENTIFICATION	VOLUME IN CUBIC YARDS	ESTIMATED WEIGHT	DATE GENERATED
		IN TONS	
SP-1	150	225	1/20/04 - 1/23/04
SP-2	115	180	1/20/04 - 1/23/04
SP-3	8	12	1/21/04
SP-4	85	126.04	1/20/04; 1/30/04

Identification of Stockpile(s) Transported for Rec	cycling: SP-4	
Destination of Recycled Soil: TPS Technology,	Adelanto, CA	
Non-Hazardous Waste Data Form Number(s):	See attached	
Identification of Stockpile(s) Transported for Co	nstruction Debris:	None
Identification of Stockpile(s) Used as Backfill:	SP-1, SP-2 and SP-3	

Backfill Material Soil Type: Reuse of stockpiles SP-1 and SP-2 from bottom of UST excavation

to 5 fbg; installation of geofabric; and clean imported fill from

5 hg to subgrade, compacted to 95% or greater relative density



APPENDIX 8.

HFA'S SOP FOR SAMPLE MANAGEMENT

HOLGUIN, FAHAN & ASSOCIATES, INC.'S STANDARD OPERATING PROCEDURES FOR SAMPLE MANAGEMENT

QUALITY ASSURANCE/QUALITY CONTROL SAMPLES

A trip blank, temperature blank, and/or other blanks are taken for quality assurance/quality control (QA/QC) purposes.

- A <u>trip blank sample</u> is kept with any samples being analyzed for volatile organic compounds (VOCs). A trip blank is a sample of clean water that is supplied by the laboratory and is transported to and from the field and to the laboratory with the field samples. The designation "QCTRIPBK" or "QCTB" is used for the sample name on the field label. Samplers record on the chain-of-custody (COC) the date that the trip blank is taken to the field for sampling, not the date that the trip blank was prepared by the laboratory. One trip blank per cooler per day is collected. Unused trip blanks are stored in a cooler dedicated to this purpose. The trip blank cooler is not refrigerated, but is kept in a clean location away from possible VOC contaminants.
- <u>Temperature blank</u> sample containers are supplied by the laboratory and kept in a cooler used to transport samples. The temperature blank is placed in the cooler prior to going to the field and is kept there until the cooler is delivered to the laboratory.

CHAIN OF CUSTODY

A chain of custody form is completed for each group of samples delivered to the laboratory, as follows.

- A separate COC is completed for each day of sampling. If samples are collected on separate days for the same site, a separate COC is completed for each sampling day, and the COC is always kept with the samples. If samples are shipped off-site for laboratory analysis, individual coolers with separate COCs are sent for each day/cooler shipped.
- All fields/spaces on the COC are filled out completely, and all persons having control of the samples sign the COC to show transfer of sample control between individuals. At times when the field sampler is not delivering samples directly to the laboratory, the samples may be turned over to a sample manager for shipping. In this instance, the sample manager takes custody of the samples, and both the sampler and sample manager sign and date the COC to clearly show custody transfer.

- The COC is placed inside the cooler, and a custody seal is placed on the outside of the cooler prior to shipping. The receiving laboratory indicates if the cooler was received with the custody seal intact.
- If samples are sent to the laboratory via UPS, FEDEX, etc., this fact is indicated on the COC, and the sample manager also indicates the date and time the custody seal is placed on cooler for delivery to the shipping agent (the shipping agent does not sign the COC).
- For trip blanks, the COC indicates the date the trip blank was taken to the field for sampling, not the date the trip blank was prepared by the laboratory (the latter date may appear on the VOA label).
- New electronic deliverable format (EDF) requirements of California AB2886 mandate that COCs and laboratory reports maintain consistent and unique names between sites (Global D) and sample location/well names (Field Point ID). This information must be consistent with the initial information supplied to GeoTracker, and for each subsequent quarterly sampling event.

SAMPLE HANDLING

Refrigerator Storage and Temperature Log

Samples may be stored in a refrigerator prior to transport to the laboratory. Refrigerator storage is maintained under the following conditions.

- Refrigerators used for sample storage are dedicated for that usage only (no food or other materials are stored in sample refrigerators).
- Refrigerators can be locked from the outside by a sample manager, and only the sample manager has access to the samples while they are in storage.
- Refrigerators are maintained at a temperature of 4°C or less, and are adjusted daily depending on thermometer readings.
- Each refrigerator contains a dedicated, reliable thermometer. The thermometer is designed for use in a refrigerator and is fixed or secured to the inside of the unit. The thermometer range is specific for measuring temperatures less than 4°C.
- A temperature log is kept on the outside of the refrigerator in a lightweight, three-ring binder, or similar logbook. Temperatures are recorded daily or when the refrigerator is open for sample management.
- Completed COCs are kept with the samples stored in the refrigerators. The COCs may be held on a clipboard outside the refrigerator, or may be placed inside the cooler if the entire cooler is placed inside the refrigerator.
- If a cooler is placed in the refrigerator, the cooler lid remains open to insure that samples are maintained at the refrigerator temperature.

Cooler Packing

The sample coolers are packed as directed by the receiving laboratory. The following cooler packing procedures are used.

- The cooler contains enough ice to maintain the required temperature.
- Water ice (not dry ice or ice packs) is used for shipping.

- The ice is placed above and below the samples in at least two sealable plastic bags. This procedure requires that the packing/divider material be removed and replaced.
- The COC is placed in the cooler in a sealed plastic bag, and the cooler lid is taped closed to secure it for transport and to minimize loss of temperature. A custody seal is placed vertically across the seam of the cooler lid.



APPENDIX 9.

CERTIFICATE OF CLEAN FILL

Alberto M. Cruz

617 North Keenan Street. Montebello, CA 90640 (213) 305-1555 (323) 724-4271

Mompos Construction, Inc #247 23905 Clinton Keith Rd., Ste 114 Wildomar, CA 92595-7899

March 10, 2004

Alberto M. Cruz did transport the week of 02/02/04 clean dirt from Union Ave. cross street, El Molino in Pasadena. The dirt was excavated from a construction site in what is to be a new high rise office building. Said dirt was then transported to Mompos Construction site at the corner of East Seventh Street and Park Ave. in Long Beach.

Sincerely,

Alberto M. Cruz



APPENDIX 10.

COMPACTION REPORT

ICKEL S ASSOCIATES

. P. O. BOX 91, TUSTIN, CA., 92781-0091

PHONE (714)953-8727

February 5, 2004 Project No. 7272-007

Mompos Construction Company 23395 Clinton Keith Road, Suite 114-247 Willomar, CA., 92595

Attention Horacio Santos

Subject: Gasoline Storage Tank Backfill at 4770 East 7 h Street, Long Beach, California.

Gentlemen:

This letter presents the work accomplished at the subject site. We performed this work which was started on January 28, 2004 and continued until February 5, 2004. Our work consisted o testing the backfill soils that were placed and compacted by your personnel in five areas on the service station property. These areas were excavations that were generally 50 feet x 50 feet and 16 and one-half feet deep in front of the building. One hole that was 10 feet X 8 feet by 5 feet deep in the rear of the building. Three holes that were respectively 6 feet by 4 feet by approximately six feet deep inside the building. It is understood that this station will be abandoned.

The above described holes were filled and compacted with cohesive soils described in the attached Table I. These soils were all compacted to at least 95% Relative Compaction or better.

During placement of these imported soils, a representative of Stickel & Associates observed the operation. Compaction was accomplished using a track excavator with a compaction wheel (Rodex 130 LC) a Case backhoe 580L with a vibrator plate and a Bobcat.

Field density tests were performed in accordance with ASTM D2937, Drive Tube Method. Results were compared to the Maximum Density/ Optimum Moisture Content Determinations as accomplished in accordance with ASTM Test Designation D-1557-03. The test results are presented in the attached Compaction Test Summary/Field Engineering Reports.

If you need further assistance, please contact this affice.

862, GP 841 Edmund

Very truly yours,

STICKEL & ASSOCIATES,

Reviewed

Expires

31/04

JFS/vs

Six copies submitted

Attachments: Field Engineering Reports, Table I

P.	O. BOX 91	, musmin	, CA., 92	2781-00	7 1	PHONE (71	4)953-872
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CONSULTANTS IN APPLIED GEOLOGY, GEORIA TOS AND ENGIN

 \Box -	BOX	91,	TUSTIN,	CA.,	92781	-0091

PHONE (714)953-8727

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FIELD ENGINEERING REPORT

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RESULTS OF FIELD DENSITY TRACTS

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4	center	2/2	9,4	122,0		9.6%	
5	Stantes	2'	10.3	4.		95%	7

TY:

P. O. BOX 91, TUSTIN, CA., 92781-0091

PHONE (714)953-8727

DATE 2/5/04/
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REPORT # 4/
PAGE / OF 5

FIELD ENGINEERING REPORT

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RESULTS OF FIELD DENSITY TESTS

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TOKEL & ASSOCIATES

BOX 91, TUSTIN, CA., 92781-0091

PHONE (714)953-8127

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FIELD ENGINEERING REPORT

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	Bytola	6"	9.0	(2).	7	91070	

EM:

07-003 (5/03)

TABLE I

Maximum/Density

126.1bs./cu. ft.